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CHEMIST and DRUGGIST OCTOBER 12, 1946

The CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

ablished 1859 28 Essex Street, Strand, London, W.C.2. Registered as a Newspaper

3479
. CXLVI OCTOBER 12, 1946 Annual Subscription (with Diary) 25/-. Single copies 9d.

Display and recommend

M&B Products

SCUROFORM' BRAND ANAESTHETIC OINTMENT.
For painful lesions of the skin and mucous surfaces
Containers of 1 ounce, 2s. 6d.

SCUROFORM' BRAND ANALGESIC LOZENGES.
For painful conditions of the mouth and throat. Boxes of 40, 1s. 6d.

PLANACRINE' BRAND EUFLAVINE ANTISEPTIC LOZENGES.
For affections of the mouth and throat. Boxes of 40, 1s. 6d.

ROPAMIDINE CREAM — M & B
For the treatment of wounds and burns. Jars of 4 ounces 5s. 9d.

ZEPHROL' BRAND EPHEDRINE COUGH SYRUP.
A pleasantly flavoured preparation containing ephedrine.
Bottles of 2½ fluid ounces, 1s. 9d.

(Prices are exclusive of Purchase Tax.)

MANUFACTURED BY
MAY & BAKER LTD.

DISTRIBUTORS
HARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD., DAGENHAM

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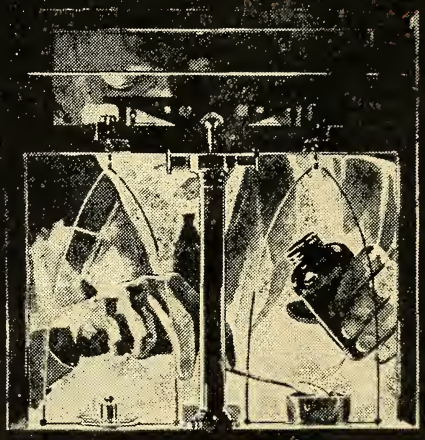
WHEN YOUR REPUTATION HANGS IN THE BALANCE



When you think of the chemicals you use in preparing your finished product in terms of hundredweights and gallons, one single milligram, more or less, in the compound or synthesis doesn't seem to count very much. But it could! It could ensure the continued reliability of your product. Then again, it could mean a fundamental deficiency in your product which, in turn, would reduce its efficiency — and your reputation.

That's quite a responsibility for any man to carry — but one that Monsanto, in preparing their products, readily accept without a qualm. But then, Monsanto have good reason to accept it. Every batch of every Monsanto chemical is *double*-checked by our highly skilled control chemists before a single pint or a single pound is delivered to your works.

But there's even more to it than that: most Monsanto chemicals are prepared to much closer specifications than those required by B.P. or B.S.I. So, with a high standard to start with, and with that high standard as an integral part of your formulæ, you will readily appreciate the important part that *double*-check-controlled Monsanto chemicals play in helping you to maintain your reputation.

MONSANTO CHEMICALS LIMITED
Victoria Station House, London, S.W.1
Phone: Victoria 2255. Grams: Monsanto, Sowest, London

Aspirin
Phenol
Phenacetin
Methyl salicylate
Sodium salicylate
Benzoic acid
Sodium benzoate
Lysol
and many others

MONSANTO CHEMICALS

SERVING INDUSTRY WHICH SERVES MANKIND

VITAMINS A & D

Optimum dosage in small bulk

'Adexolin' is a concentrate of vitamins A & D, providing in small bulk all the requirements for prophylaxis or treatment. Acutely ill patients can be given adequate doses of the vitamins without causing digestive disturbance. 'Adexolin' is very suitable for inclusion in low fat diets to assure an ample intake of the fat-soluble vitamins A & D. In this way, deficiency can be avoided in almost any condition, and the body resistance can be maintained at a high level.

Capsules: Each capsule contains vitamin A, 4,500 i.u. and vitamin D (calciferol), 900 i.u.

Liquid: Each cc. contains vitamin A, 12,000 i.u. and vitamin D, 2,000 i.u.

ADEXOLIN

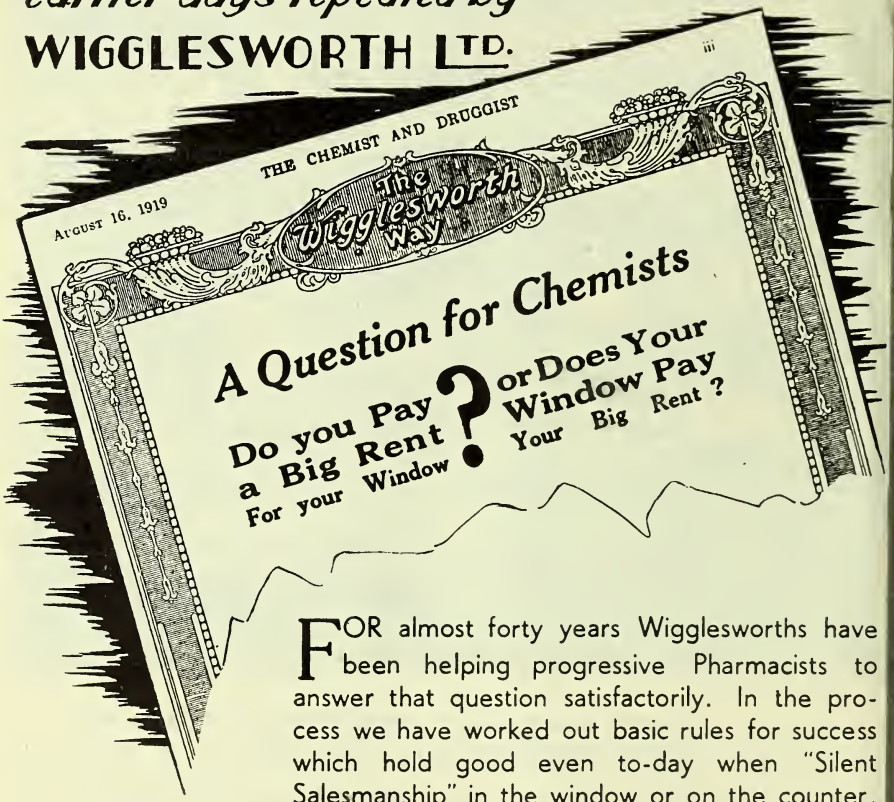
*CAPSULES: 25, 100 and *1000. LIQUID: ½ oz., 2 oz., *8 oz.*
**Dispensing size only.*

PENICILLIN *Glaxo.* The normal daily output of the Glaxo penicillin plant is exceptionally pure; a potency of 1,400 units per mg. is routinely attained. Storage in a cool dry place is all that is necessary.

GLAXO LABORATORIES LTD., GREENFORD, MIDDX. BYRon 3434

A good thought from our earlier days repeated by

WIGGLESWORTH LTD.

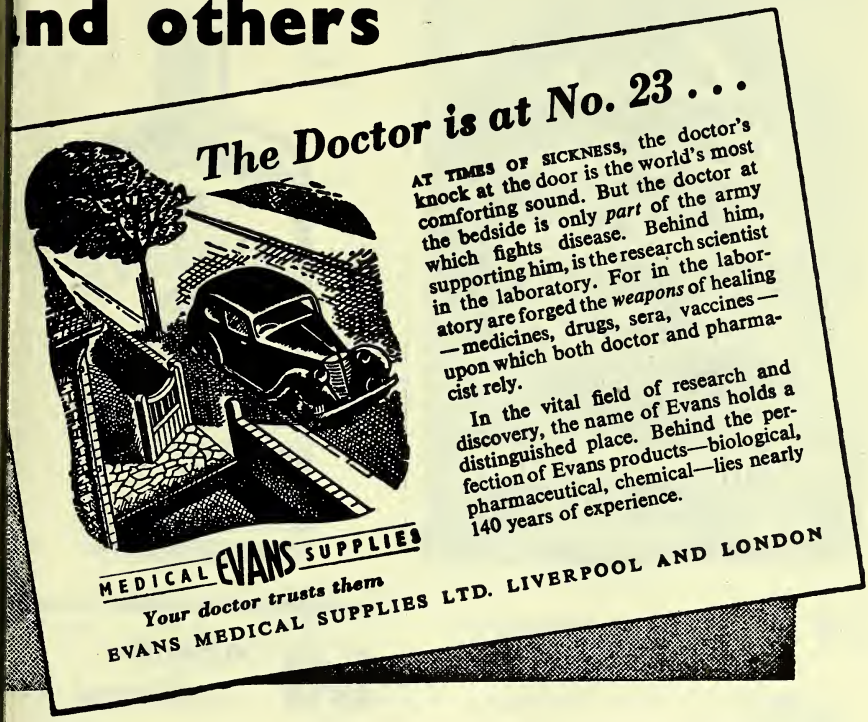


FOR almost forty years Wigglesworths have been helping progressive Pharmacists to answer that question satisfactorily. In the process we have worked out basic rules for success which hold good even to-day when "Silent Salesmanship" in the window or on the counter, is still somewhat restricted by difficulties of supply. Proof of that is seen in the fact that our sales of Own Name C.F. specialities have reached a new record. Retailers who have shared in creating and supplying this increased demand have not only obtained extra profits but have also made an addition to the goodwill of their "personal" business which will stand them in good stead against future competition. Drop us a p.c. and we will gladly give you further particulars of how it is being done.

WIGGLESWORTH LTD. *Chemists Friends*

WESTHOUGHTON • BOLTON • LANCASHIRE

This advertisement
nd others



During the coming months many potential customers are going to see this new EVANS advertising which will appear in the leading National and Provincial papers and Weekly Magazines. Emphasising fully the importance of the part the Evans Organisation, jointly with the Doctor and Pharmacist, plays in maintaining the nation's health, this advertising is certain to encourage a wider acceptance of all products bearing the Evans name.

will help to sell more

MEDICAL EVANS SUPPLIES

EVANS MEDICAL SUPPLIES LTD., LIVERPOOL & LONDON

Makers of fine medical products for 140 years

Established 1878

Labels—
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& EVERY DESCRIPTION
OF MEDICAL PRINTING

ALF. HARRISON & SONS LTD.
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HERE'S A GOOD LINE!

15/9 per dozen
less 5% and
2½%
(6 dozen lots)

Recommend it
for all house-
hold purposes

IN A CHANGING WORLD

some things remain

safe and certain!

Cephos REGD
THE PHYSICIANS' REMEDY
for
COLDS and
INFLUENZA

CEPHOS LTD., BLACKBURN. P.A.T.A.

10 essential mineral salts

ALL pharmacists know that the underlying cause of most Rundown, Nervous conditions and Deficiency diseases is Mineral and Vitamin deficiency. In such cases VIKELP supplies the need for a sure and certain corrective.

Obtainable from your regular Wholesaler or J. C. Gambles & Co., Ltd., 211/215, Blackfriars Road, London, S.E.1.

CALCIUM · IRON
IODINE · SULPHUR
SODIUM
PHOSPHORUS
COPPER
MAGNESIUM
POTASSIUM
CHLORINE
and VITAMIN B_1

in

VIKELP
Nutritional Food Tonic
HEALTH PRODUCTS LABORATORIES LTD.
128-134 Baker Street, London, W.1 P.A.T.A.

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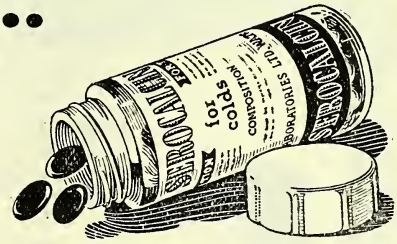
The "COLD" Season will soon be here...

This is zero hour in the battle against colds. Tens of thousands have now started their prophylactic course—many more will follow. Are you prepared to meet this great seasonal demand? At the moment we are adequately stocked to supply you, but later in the season delay may be inevitable. Your early order for Serocalcin will therefore help us and help you. Order NOW!



SEROCALCIN

FOR THE PREVENTION & TREATMENT OF COLDS

Make sure you ORDER NOW sufficient stocks

HARWOODS LABORATORIES LTD., WATFORD, HERTS. *Phone Watford 4457*

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a QUICK seller for your winter displays!

Coughs and sneezes spread diseases and the demand for Penetrol will be greater than ever. Counter displays of Penetrol during the winter season will quickly show a profitable return. Press advertising is increased from October to March so keep up your displays. We will distribute supplies as fairly as we possibly can.

PENETROL
INHALANT

On the P.A.T.A. *Protected List*

CHEMISTS FORMULA

W. B. CARTWRIGHT LTD. - RAWDON, LEEDS.

A SIGN of mutual confidence

WE SELL Rendells PRODUCTS

"FOR FEMININE HYGIENE"

ASK FOR BOOKLET

Women like to know where they can purchase Rendells Products — especially new customers. You can gain their confidence and their regular custom by letting them see that YOU stock these famous products for feminine hygiene. Just a small counter display, a dignified showcard, will be most helpful for new and regular customers.

PATA

W.J.RENDELL LTD. 161, ROSEBERY AVE, LONDON.E.C.I.

RENDELLS · SILATEX · SANTRON
MENSINOLE · RENDELL GELS

In the service of Pharmacy
since 1839
COX
ARTHUR H. COX & CO. LTD.
Manufacturing Chemists
BRIGHTON
PILLS · TABLETS
PACKED SPECIALITIES

GABAIL PRODUCTS

ELIXIR GABAIL

The ideal sedative in all nervous affections

	Retail, including Purchase Tax	Wholesale per dozen	Purchase Tax per dozen
Bottle of 187 c.c. . .	5/-	39/-	6/6
„ 16 oz. . .	9/6	72/-	12/-

SYRUP PERTUSSIS (Gabail)

An effective medicament for the paroxysms of Whooping Cough

	Retail, including Purchase Tax	Wholesale per dozen	Purchase Tax per dozen
Bottle of 4 oz. . .	3/-	24/-	4/-
„ 16 oz. . .	9/6	72/-	12/-

Manufactured by The Gabail Laboratories Ltd. (Gabail Ltd.), London, W.C.1

Ample supplies available through your usual wholesaler or from

THE ANGLO-FRENCH DRUG CO., LTD.
11-12 Guilford Street, LONDON, W.C.1

Calcibronat

(Calcium Bromo-lactobionate)

EFFERVESCENT TABLETS
GRANULAR POWDER
AMPOULES

AGAIN AVAILABLE

CALCIBRONAT combines the sedative action of bromine on the sub-cortical and medullary centres of the brain with the calmative effect of calcium on conditions of hyper-excitability of the autonomic nervous system.

TINS containing 10 and 50 EFFERVESCENT TABLETS

TINS containing 3½ oz. and 18 oz. GRANULAR POWDER

Boxes containing 10 Ampoules of 5 c.c. and 5 Ampoules of 10 c.c.

Technical Enquiries :—

Sandoz Products Limited
134 WIGMORE STREET, LONDON, W.1

Wholesale Distributors :—

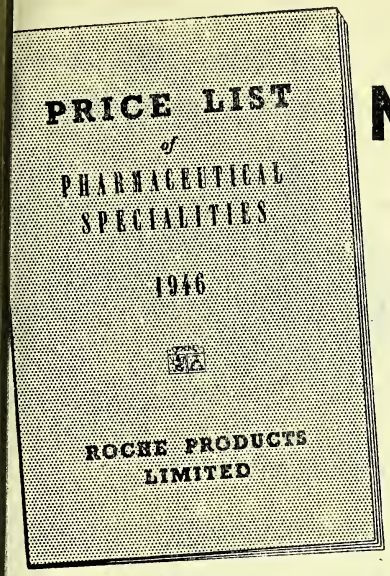
BROOKS & WARBURTON LTD
232-242 Vauxhall Bridge Road, London, S.W.1

STURGE CITRIC ACID

JOHN & E. STURGE LTD

1 WHEELEYS ROAD · BIRMINGHAM 15

Manufacturers of fine chemicals since 1823



NEW EDITION

Now Ready

Amidst a sea of rising costs on all sides, price changes of 'Roche' vitamins are once again towards *Lower* levels. This is a unique achievement unparalleled, so far as we know, in any other industry.

Some of the Additions and Alterations

'BEFLAVIT' Vitamin B_2 (Riboflavine, Lactoflavine)

NEW Ampoules, 10 mg., boxes of six, reduced in price. Packing of fifty 10 mg. Ampoules.

'BENADON' Vitamin B_6 (Pyridoxine, Adermin)

NEW Tablets, 20 mg., bottles of 25 and 100 and 2 c.c. Ampoules 50 mg., in boxes of six. The strengths and prices should be carefully noted.

'EPHYNAL' Vitamin E (Alpha-Tocopherol)

NEW Tablets, 10 mg. strength, bottles of 25, 100 and 500. A substantial reduction is made in 'EPHYNAL' 20 mg. tablets.

'EPHYNAL' Ampoules

NEW Ampoules, containing 30 mg. of alpha-tocopherol in oil, in boxes of six for intramuscular administration.

A copy of the price list will be supplied on application

ROCHE PRODUCTS LIMITED

WELWYN GARDEN CITY, HERTS

Scottish Depot: 665, Great Western Road, Glasgow W.2.

NOV. 9
REMEMBER GENEROUSLY
POPPY DAY

D.D.T. is now freely available. We are able to offer for prompt delivery from stock

D. D. T.

with a guaranteed minimum

80%

of the p.p. isomer

Various strengths of dusting powders are also available and enquiries are invited

WATFORD CHEMICAL CO. LTD

30 BAKER STREET, LONDON, W.1

Telephone: Welbeck 0264/8 Telegrams: Watchempro' Wesdo, Lond

BRITISH REPRESENTATIVE WANTED

The Canadian Manufacturer of "SOLVE-CILLIN" the Improved Penicillin Vehicle is entering the British and European market and is open to consider a connection with a well-established British distributor for the Distribution of this important product, along with several other pharmaceutical lines manufactured for overseas trade.

All inquiries which will be treated in confidence should be addressed to

VCA Laboratories (Canada) Limited

160 Oakwood Avenue, Toronto, Canada

(Bank References Required)

Fine Feathers

. . . make fine birds, but in medicinal products appearance alone is not enough. We prefer that excellence of presentation is backed by perfection in raw materials and skill in manufacture. Without this policy our pharmaceutical preparations could never have achieved the distinction they now so widely enjoy.

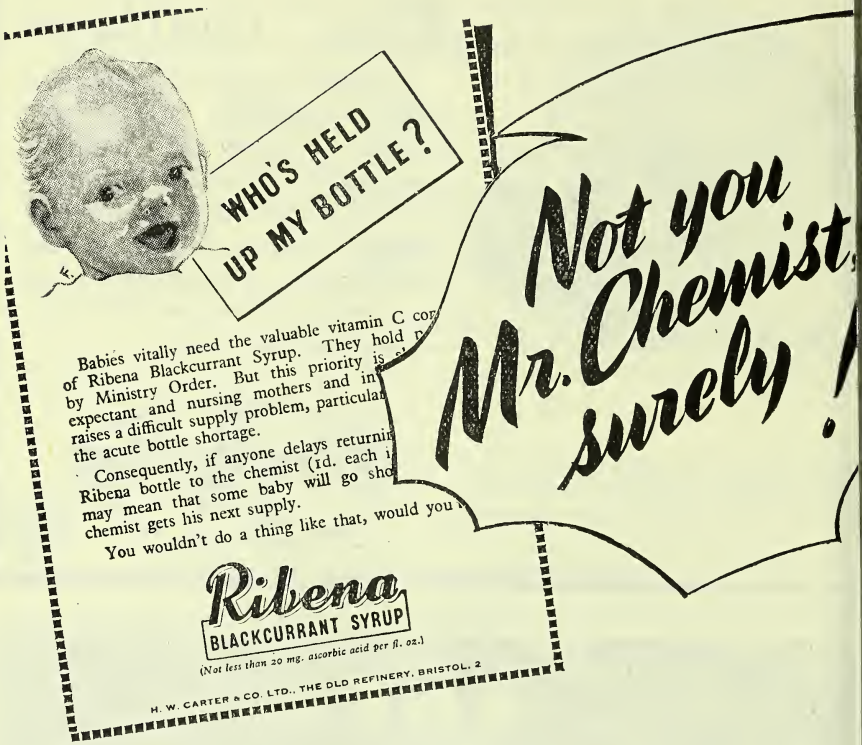
MANUFACTURING CHEMISTS
OFFICE & WORKS: MANSFIELD ROAD, DERBY.
Phone: Derby 4266 (3 lines) 'Grams: Dania, Derby

Richard Daniel & Son Derby

THE
CHEMISTS'
PRINTERS

FOR OVER SIXTY YEARS

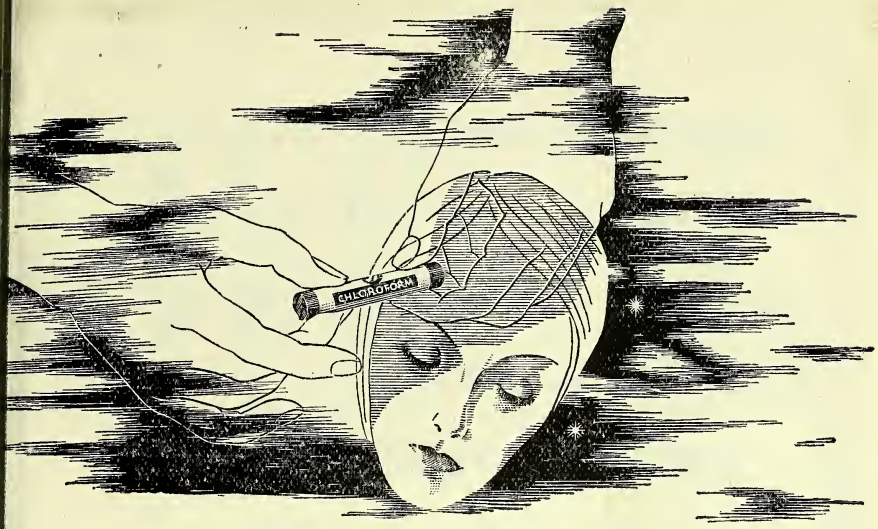
THOMAS WAIDE & SONS, LTD.
KIRKSTALL HILL
LEEDS



When returning empty Ribena bottles, will you please remember that it takes anything up to three months for empties to reach us. And bottles are too scarce to permit us to send full supplies until the empties do arrive. So—please send them early, by the same channel and route by which the full bottles reached you.

Ribena
BLACKCURRANT SYRUP

H. W. CARTER & CO., LTD., THE OLD REFINERY, BRISTOL, 2.



IN THE DOCTOR'S HANDS...

In the doctor's hands lie the power and responsibility of alleviating suffering. Now his task of producing the merciful shadow of partial anaesthesia, so often needed in obstetrics, has been made easier by chloroform 'TYEBRETTES.'

Each of these inhalant crushable glass capsules contains 40 minims of chloroform B.P., and is packed in an absorbent paper cylinder, the ends being protected by pads of cotton wool and sealed.

During the war chloroform 'TYEBRETTES' were made in millions to provide relief from suffering for trapped and wounded men. Now, for the first time, they are available in quantity for obstetric and general analgesic use.

Six chloroform 'TYEBRETTES' are packed in the smallest possible flat tin.

JOHN TYE & SON LTD
LONDON, N.7

anufacturing Chemists • Capsule makers since 1845

Announcements

LONDON SALES OFFICE

Ward, Blenkinsop & Co. Ltd., announces the closing of their premises at Brooklands, Halewood, Liverpool.

Offices are now open in London at the following address :

6 HENRIETTA PLACE, LONDON, W.1

All enquiries and orders should be addressed to this sales office.

★

Price List

of

«WB» Medical Products

Copies of the latest edition of this list are now available and will gladly be forwarded on request.

TRADE MARK

WARD. BLENKINSOP
& CO LTD

6, HENRIETTA PLACE · LONDON W.1.

Tel : LANGHAM 3185. *Telegrams :* DUOCHEM, WESDO, LONDON.

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STERLING

VOLUME

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Chemicals

IRON AND AMMONIUM CITRATE

A complex ferric ammonium citrate.

Properties. Thin dark reddish brown transparent scales, or a granular powder with an astringent taste. Very soluble in water.

Standard. The standard grade manufactured for medicinal purposes should comply with the requirements of the British Pharmacopœia in all respects.

Uses. Ferric Ammonium Citrate is one of the most widely used and generally prescribed preparations of iron. It is one of the least astringent compounds of iron and for this reason is often favoured. A green variety of ferric ammonium citrate is also used medicinally but is more frequently employed in the preparation of photographic blue print paper.

Packages. 28 lb. tins.

Manufacturers: **THOMAS TYRER & CO. LTD.**
Stratford, London, E.15

ACIDS (Pure)

BISMUTH SALTS

CITRATES

SCALE PREPARATIONS

ETHER ANÆSTHETIC B.P. and METHYLATED

MERCURIALS

SCIENCE WITH PRACTICE

Galenicals — TINCTURES, LIQUID EXTRACTS, INFUSIONS, etc. — For instance **Ext. Ipecac. Liq. P.B., Tinct. Cardamomi Comp. P.B., Tinct. Opii Camph. P.B., Ext. Cascara Liq. P.B., Ext. Glycyrrh. Liq. P.B., Inf. Gentian Co. Conc. P.B.**

For such essential materials of the finest quality you can rely now, as always, on—

StaffAllenS

STAFFORD ALLEN & SONS LTD., WHARF ROAD, LONDON, N.1

TAS/AL.171

MORE PROFIT FOR THE RETAILER

ON

Johnson's baby powder

OLD TERMS

Trade: 8/4d. a dozen
Retail: 12/- a dozen
(1/- a tin excluding tax)
Profit: 3/8d. a dozen tins

NEW TERMS

Trade: 10/- a dozen
Retail: 14/6d. a dozen
(1/2½d. a tin excluding tax)
Profit: 4/6d. a dozen tins

• *Increased profit for retailer*
10p. *on a dozen tins*

Johnson & Johnson (GT. BRITAIN) LIMITED · SLOUGH & GARGRAVE

Kemball, Bishop & Co. Ltd

MANUFACTURING CHEMISTS

CITRIC ACID - TARTARIC ACID
CREAM OF TARTAR - ROCHELLE SALTS
CALCIUM GLUCONATE
LITHIUM CARBONATE
CHLORIDE AND HYDROXIDE

QUALITY GUARANTEED

CROWN CHEMICAL WORKS, THREE MILL LANE,
BROMLEY-BY-BOW, LONDON, E.3

35,275,000 people see VALDERMA ANTISEPTIC BALM advertising every month

Countless people write in to say, "I saw your advertisement." That's why so many people are regularly asking their local stockist for this quick-selling line. They have seen the compelling Valderma advertisements. Make sure you cash-in, too, on this profit-making turnover by always keeping in hand a big stock of Valderma, the *double* antiseptic balm with the *double* sales appeal.

ORDER TO-DAY

STANDARD SIZE 2/- a jar including tax. Trade price 15/- per doz. Purchase Tax 2/6 per doz.

LARGE SIZE 3/6 a jar including tax. Trade price 26/- per doz. Purchase Tax 4/4 per doz.

AE HEALTH LABORATORIES LTD., 25/27, BERNERS ST., LONDON, W.1.

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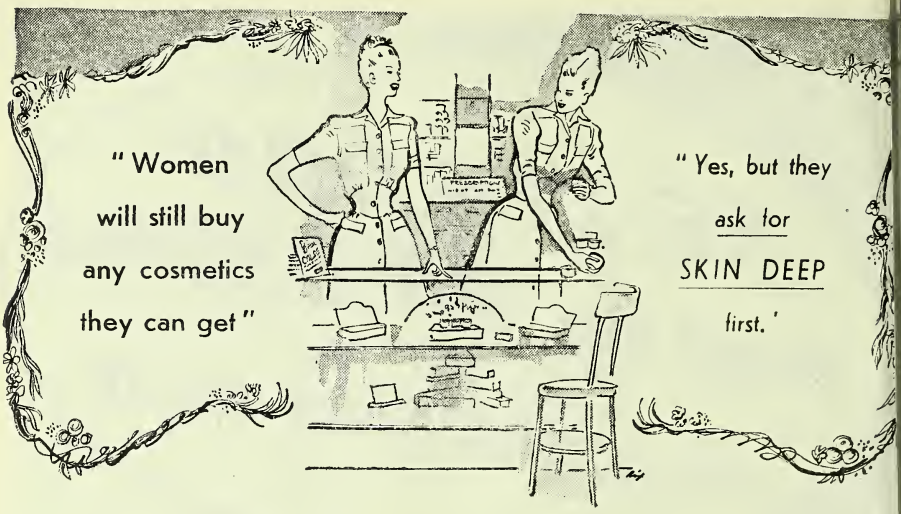


SKIN DEEP was launched three years ago in the middle of every kind of frustrating restriction, yet it has established itself as one of the most popular, most asked for creams on the market. It was impossible to back it with the sort of large scale promotion that a new cosmetic needs, but it has achieved solid popularity with the little advertising it has had. Women believe (and rightly) that SKIN DEEP *is good for the skin* and this puts it in a much more permanent class than creams bought for their fashion or novelty appeal.

You may say, of course, that SKIN DEEP has been thriving during a period of artificial selling conditions, but experience proves that women ask for SKIN DEEP first.

An ever increasing amount of money is being spent on advertising it in the National and Provincial press and the best women's magazines. You can co-operate with us to our mutual advantage by displaying and recommending SKIN DEEP.

ATKINSONS

Skin Deep

BEAUTY CREAM

For day and night use

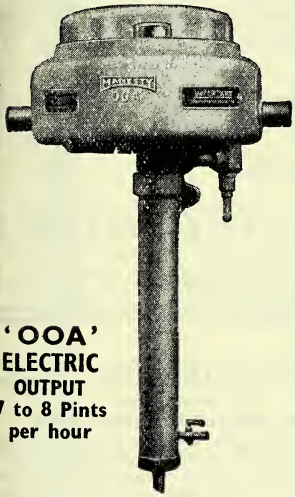
ATKINSONS OF OLD BOND STREET, W.1

AST—1—1062

TWO POPULAR

MANESTY
BRITISH MADE

AUTOMATIC WATER STILLS



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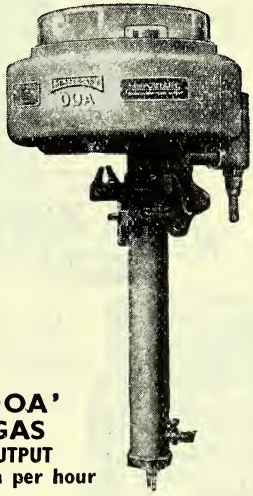

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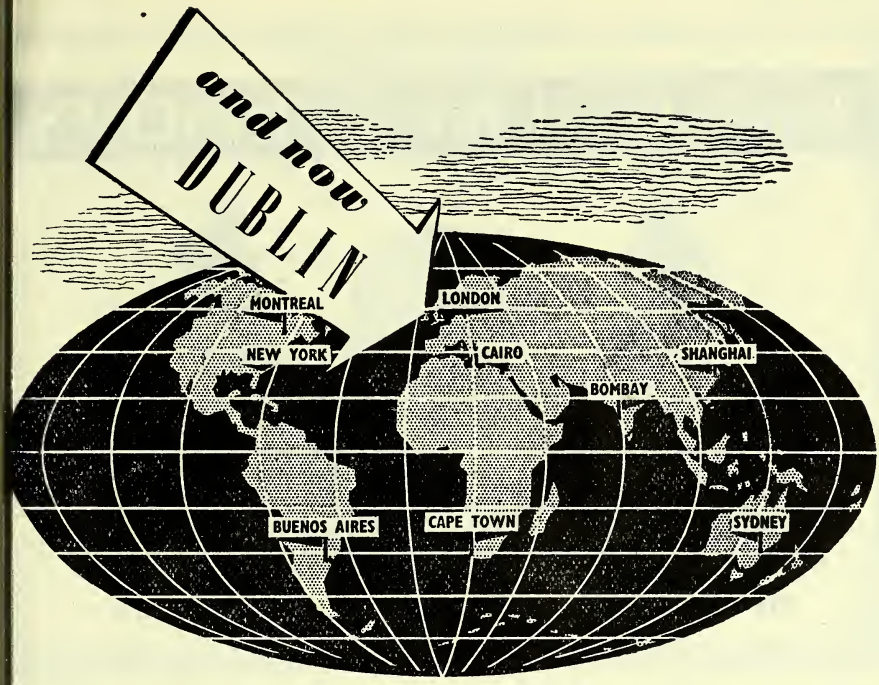

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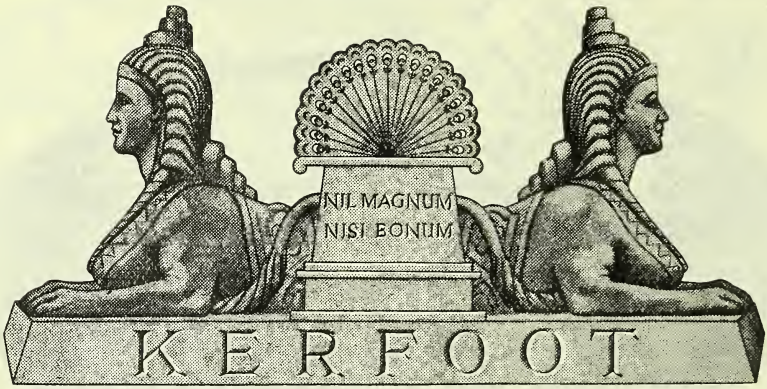

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NEWS OF THE WEEK

Parliament Reassembles. — Parliament ssembled on October 8, after a nine eks' recess. On October 8, the second ding debate on the National Health vice Bill opened in the House of Lords, l in the House of Commons the Atomic ergy Bill was given a second reading. It s expected to pass through its remaining ges on October 11.

Forthcoming Trade Conference.—Busi- s to be discussed at the autumn con- ence of the National Chamber of Trade, ich is to be held in Tunbridge Wells on tober 23 and 24, includes a resolution approving of "the delegation to large mbers of people of the power to make ders having or purporting to have the ce of law," and recommending that the blic should not be considered bound til "proper" and improved steps have en taken to acquaint them of the Order be enforced. Other recommendations to discussed include that for a uniform ethod of calculating and showing pur- ase tax on invoices, and a revision of the present system of dealing with Class C releases from the Armed Forces. The chair at the conference will be taken by Sir Walter Womersley (president).

Statutory Committee.—The Statutory Committee of the Pharmaceutical Society meets in Edinburgh at 2 p.m. on October 16 and at 10.30 a.m. on October 17 to consider information and evidence received by the Committee from which it appears that:—(1) subsequent to being warned by the Committee as to his future conduct a member of the Society was convicted of a charge of being found in a state of intoxication and incapable of taking care of himself; (2) a member of the Society was convicted of offences under the Dangerous Drugs Regulations; (3) two directors of a corporate body which is an authorised seller of poisons were convicted of offences under the Toilet Preparations Orders 1943; (4) By reason of the facts leading to the convictions set out in (3) and to the conviction of the company for similar offences, the superintendent pharmacist was guilty of misconduct. The

inquiries will be opened in public and, unless the Committee otherwise direct the hearings will also be in public.

Manchester Refresher Course.—More than fifty pharmacists enrolled for the pharmacy refresher course which commenced at the Manchester College of Technology on October 1.

Toilet Brush Exports.—Figures published recently show that the proportion of British-made toilet brushes sold by direct export during the first six months of 1946 averaged 27.32 per cent., against 14.44 per cent. for all types of brushes.

Manchester Film Show.—At a meeting of the Junior Branch of the Manchester Pharmaceutical Association on September 26, the following films were shown: "Distillation," "The Filter," "Penicillin," and "The Scabies Mite."

Women Pharmacist's Visit.—A party of members of the National Association of Women Pharmacists from London, joined by others from the Nottingham, Manchester and Newcastle Branches, visited the Pharmaceutical Society's Convalescent Home, Birdsgrove House, Mayfield, nr. Ashbourne, Derby, recently.

Vote of Appreciation.—Members of the North-eastern Branch of the Guild of Public Pharmacists at a meeting in Wakefield recently recorded their appreciation of the help given by Mr. G. C. Crummack in the work of the Guild, and their regret at his retirement from the secretaryship of the Leeds Branch of the Pharmaceutical Society.

More Dentists Wanted.—The Minister of Health, Mr. Aneurin Bevan, speaking recently at the Royal Dental Hospital, said that an increased entry of dental students up to 900 a year would be needed if the Dentists' Register was to be kept at its present level. The premises of dental schools needed to be extended and the teaching staffs increased.

Oil Fuel Conversion Encouraged.—To encourage conversion of industrial plant from coal to oil heating in order to save some 3,000,000 tons of coal the Government is subsidising consumers of heavy fuel oil to the extent of £1 per ton, the subsidy being operative from October 1. The price reduction is automatic and there is to be no form-filling.

Newcastle "Gadgets" Talk.—An address on "Dispensary Layout" was given to Newcastle Branch of the Pharmaceutical Society by Mr. George Graham, M.P.S., on September 26. Mr. Graham showe photographs of some easily made dispensa gadgets. Miss K. Bell, 38 Eslington Te race, Newcastle-on-Tyne, 2, was elect secretary of the Branch.

Works Social.—More than two hundre ex-Service employees at the Castner-Kelln works of Imperial Chemical Industrie Ltd., Weston Point, Runcorn, were prese at a tea and social evening arranged by t service committee of the works recentl Mr. V. St. J. Killery (chairman, gener chemical division) said the division's pr gramme of construction would take fi years to complete.

Bolton Opposes Equal Pay.—A propos for equal pay for men and women was r jected at a special meeting of the Bolto Pharmaceutical Association, held recentl on the grounds that it might limit t vacancies open to women employees. was agreed that any increased remunera tion under the new National Health schem should be shared with managers and assis ants. Mr. Crumblehulme (secretary) sai that private chemists might be unable to pa increased salaries, so that managers woul tend to leave for the larger companies.

Staff Social.—The fifth annual dinne and dance of the staff of Ashley & Week Ltd., manufacturing chemists, 165 Mitcha Road, London, S.W.17, was held in Londo

Some of the guests at the fifth annual dinne and dance of Ashley & Weeks, Ltd.

recently, when 170 guests, including staf and friends, were present. Mr. Richar F. Haig Ashley (chairman of the company presided at the dinner and Mr. Donal Richardson (managing director of Arthu Richardson & Sons, Ltd., Nottingham) wa the guest of honour. During the evenin Mr. Ashley was presented by Mrs. E. Giorgi on behalf of the company's staff, with a wall clock. Mr. Ashley himself made a presentation to Mrs. M. Reeves, the company's first employee, to celebrate her fift year of service with the company.

uffolk N.P.U. Branch.—The annual ting of the Ipswich and Suffolk Branch he National Pharmaceutical Union was l at Felixstowe on October 2, Mr. S. J. arn, J.P., presiding. Mr. Stearn paid ute to the late Mr. Leslie Piper and Mr. C. C. Finch, and to Mr. C. Smal- Ipswich, who was retiring from busi- . The chairman said it was desirable members to adhere to the N.P.U. scale pricing prescriptions. Some members tended that certain minimum prices e too low, and it was decided to appoint ubcommittee to investigate the question. e following officers were elected: Mr. J. Stearn, J.P., *Chairman*; Mrs. V. A. k, *Secretary* and *Treasurer*. Mrs. V. A. k and Mr. C. E. Bell were elected to resent the Branch at the forthcoming .U. Conference.

West Ham "Brains Trust".—Messrs. F. McNeal, E. A. Brocklehurst, and T. eltine (members of the Council, Phar- ceutical Society) were members of a rains Trust" at a meeting of the West m Branch of the Pharmaceutical Society September 24. Among answers given ing the evening to questions asked by mbers of the Branch were: Mr. Brockle- st: The National Pharmaceutical Union ld not represent employee pharmacists salary negotiations; shops should not be t open after 6.30 p.m. for ordinary iness; Mr. McNeal: The Glyn Jones d, which relied upon voluntary dona- ns, was used entirely for assisting dents; the British Association of Chemists s an ideal union for pharmacists em- yed in the manufacturing or wholesale de; Mr. Heseltine: The Council of the armaceutical Society encouraged the for- tion of new branches where this would t unduly reduce the size of the parent nch; the Joint Industrial Council was up at the instigation of the Govern- nt, and the N.P.U. had no voice in decid- g who should represent the employees.

Three-Year Course for B.Pharm. egree.—A revised syllabus issued recently the London University extends the urse of study for the internal degree in armacy to three years, and makes pro- sions for specialisation during the third ar, during which the student may choose o from the five following subjects: harmaceutical chemistry, pharmacognosy, harmacology, general pharmaceutics, and harmaceutical engineering. General phar- aceutics and pharmaceutical engineering ay not be taken together, and the student is therefore given an additional choice of specialising either in general pharmaceutics, or in pharmaceutical engineering. The B.Pharm. degree is to become an honours degree, and awards of first or second class honours, or pass, for the final examination, are to be made. Mathematics is included for the first time in the preliminary examination, and pharmacology replaces the present physiology in the degree course; after two years of this course; the student must take an examination to be known as Part I, and must pass this or be referred in one subject only, before he proceeds to the final year's study. The last examination under the existing regulations is to be held in 1950, and the first examination for Part I of the new degree is to be held in 1949. So far the new regulations apply only to the internal degree but it is expected that a similar revision of the external degree syllabus will be announced shortly.

IRISH NEWS

Camogie Club Annual Meeting.—The annual general meeting of the Pharmaceutical Chemists' and Students' Camogie Club will be held at the Broadway Cafe, Lower O'Connell Street, Dublin, at 8.30 p.m. on Friday, October 18.

Irish Chemical Association.—At the annual meeting of the Irish Chemical Association held recently in Dublin, the following officers were elected: V. C. Barry, D.Sc., *President;* Professor T. S. Wheeler, D.Sc., F.R.I.C., *Vice-president;* G. F. O'Sullivan, M.Sc., *Secretary;* T. W. Breaden, M.Sc., A.R.I.C., *Treasurer.*

Irish Drug Association Officers.—At a recent meeting of the wholesale section of the Irish Drug Association, the following officers for the year were elected: *Chairman,* Mr. A. D. Davidson (May, Roberts (Ireland), Ltd.); *Vice-chairman,* Mr. A. W. Hughes (St. Dalmas (Ireland), Ltd.); *Treasurer,* Mr. I. C. Dawson (Ayrton, Saunders & Co. (Dublin), Ltd.).

Eire Council Election Result.—The seven outgoing members of the Council of the Pharmaceutical Society of Ireland all succeeded in retaining their seats in the recent elections. The voting, announced at the annual meeting of the Society in Dublin on October 7, was as follows:—John Gleeson, 492; Patrick Cahill, 485; Cornelius Cremen, 478; Phillip Brady, 467; Timothy O'Sullivan, 443; Hugh Corrigan, 424; James O'Rourke, 414. The eighth candidate, Dr. Michael O'Donnell, who failed to secure election, received 241 votes.

LEGAL REPORTS

Evasion of Customs.—At Belfast summons court recently, Rosaline Henry, Baker Street, Belfast, was fined £10 on a charge of attempting evasion of customs duty on goods, including lipsticks, valued at £4 15s. 9d., and with attempting to evade purchase tax on the goods.

Comb Sales Fine.—Before the Plymouth City magistrates on September 5, Jack Baars, 6 West Hoe Road, Millbay, Plymouth, a stallholder in the Pannier market, pleaded guilty to four charges relating to the prices of combs which he had sold there. He told the Bench that he had obtained approximately 720 combs from a dealer in Whitechapel, London, at retail rates, and was selling them at a profit of only twopence per comb. He did not display a maximum price list because, he alleged, none of the other stallholders in the Pannier market did so. He was fined £1 for each of the four offences, and ordered to pay £3 3s. costs.

Belfast Druggist on Murder Charge.—At a special court in Belfast on October 1, Thomas Edward Stephenson, Registered Druggist, 17 Wellington Street, Belfast, was committed for trial charged with the murder of Eileen Bowden, Causeway Street, Portrush, co. Antrim. It was alleged that Stephenson performed an illegal operation, as a result of which Miss Bowden died in hospital at Ballymoney on September 6. In a statement to the police, Stephenson said a young lady visited his shop on August 28. She had complained of vomiting and he gave her a bottle of stock mixture and advised her to have an *x*-ray examination. She paid him 4s., and an entry under the name of "Miss Ross" in the sales book was in respect of this sale; he did not know her name. He did not perform an illegal operation, nor did he accept £3 from her. He had been in business as a chemist and druggist since February 1900, and had also studied medicine. He pleaded not guilty and reserved his defence. An application for bail was opposed by the Crown and he was sent for trial and remanded in custody.

Pharmacy Act Fine.—At Stafford police court recently, David Hatfield, Ltd., chemists, 112 Wolverhampton Road, Stafford, were summonded for selling by retail a poison (codeine) in Veganin tablets on July 10; and for selling a poison in a container not labelled in the prescribed manner. It was stated that an inspector under the Pharmacy and Poisons Acts, visited the sh because he had reason to believe the reg lations were not being observed. An age made certain purchases, including a tu of Veganin tablets. The inspector th entered the shop and saw Mrs. W. J. Hatfield (managing director) who admitt the sale and made an apology. Mr. Hatfi said the firm had been unable to obtain qualified chemist; owing to ill health had been unable to supervise the condu of the business so closely as he would ha liked. Later the same inspector visited t shop and there was then no chemist charge. The inspector pointed out certa medicines which could not be sold exce by a qualified chemist. The chairman sa the bench were satisfied there was no inte tion to defraud or mislead the public. the first charge a fine of £10 and on t second charge a fine of £5 were imposed

Sentences on Lipstick Charges.—In case at London Sessions, in which Sidn Engel, Gladys Green and Joseph Jay we charged with receiving and/or theft of l sticks (see *C. & D.*, October 5, p. 420), t jury found Mrs. Green not guilty, a Engel and Jay guilty. Mrs. Green was d charged. Jay was revealed to have h three previous convictions: for cycle ste ing, car stealing, and obtaining money false pretences. He had been released fr his most recent sentence ten years p viously and had since earned his living street trading. From 1940 to 1945 served in the Royal Air Force and was d charged on medical grounds with a go character. Engel came to this country fr Austria in 1911, and had worked in orch tras. This was his first offence, and he h not been previously suspected. On beh of Jay, it was urged that he at once hand back a suitcase containing a large sum money, and a letter of thanks from t woman owner was shown in court. In vi of the letter and the fact that he had tri to go straight for ten years, an "unco monly light sentence of six months' i prisonment" was imposed on Jay. It w hoped that Engel, who had behaved in respectable manner in this country a whom it would be a hardship to deport Germany or Austria, would have nothi more to do with crime; he was bound ov for three years, and ordered to pay £ towards the costs of the prosecution. request by prosecuting counsel for a d portation order was not granted.

TOPICAL REFLECTIONS

Dream and the Business

'ill now I have refrained from offering comment on the Union launched by Clitherow and his associates, lest my arks, at an early stage of the venture, uld prove to be an embarrassment. Your orial article "The Wrong Way To Go ut It" (p. 429) has, however, justified in contributing to the discussion on the ject. As one who has occasionally taken and in starting new organisations I have atural sympathy with the promoters of attempt to gather employers and ployed into one fold. But I have two ctions to raise. The first is that, in my w, pharmacy is already sufficiently anised for the execution of any policy ided upon; the second is that I regard basically unsound the conception of a le union combining employers and ployed in its membership. The first of se objections needs no amplification, as has been generally accepted for several rs past. If the new Union's answer to second objection is that the combination ntioned is primarily for the specific pur- e of negotiating terms under the tional Health Service, I may point out t it is difficult to guess the object of nging in employees, non-contractors der the scheme, to back up the claims of ployers, prospective contractors. And at would happen if the employees failed agree with the employers on the course be pursued? Further, it appears that the ion will not be in full working order till kt February, a somewhat late date as far N.H.S. negotiations are concerned. The mation of a "ginger group" in one or ner of the existing pharmaceutical dies would have been an understandable d perhaps a useful step. The setting up a union, with the paraphernalia of rules, mmittees and so forth, is another matter.

ulin, Aged Twenty-Five

Dr. B. A. Young, in an address on the velopment of insulin treatment (p. 418), narked that its introduction dates back enty-five years. The anniversary is worth mmemorating. Some months elapsed fore news of the discovery made by Bant- g, of Toronto, was released in this coun- . When such information as was then ailable was published in the medical and armaceutical Press, the interest created s comparable with that aroused by the vent of salvarsan in the early years of the ntury or that of sulphonamides and penicillin in recent times. The original process of extraction was patented, and patents were assigned in the United Kingdom to the Medical Research Council, with a system of licensing for manufacturers. Progress was reasonably expeditious. Early in 1923 it was announced that insulin treatment was in use at five hospitals in London, three in Sheffield and one in Edinburgh. By then the Medical Research Council had entered into agreements with manufacturers in several parts of the country, safeguarding standards of purity and fixing fair prices. As a result of investigations carried out at the National Institute for Medical Research, and of the skill and enthusiasm of the manufacturers, supplies soon arrived on the market in adequate quantities. Details of processes of manufacture were rather slow in reaching the technical Press.

Examinees' Exuberance

In a report presented to the Council of the Pharmaceutical Society of Northern Ireland on a chemistry examination (p. 439), we read: "The most notable feature was the tendency to give information not asked for in the question. There was a common tendency to make up impossible equations for reactions which were not known." The propensity described in the first of these two sentences is merely "showing off," the assumption being, I suppose, that it would be a pity to let so much knowledge remain hidden, especially in the examination room. The second sentence indicates attempts to cover up ignorance. Examiners are not likely to be impressed by either of these devices. The autobiography of H. G. Wells, referred to in a recent article in your columns, contains more than one reference to educational subjects. The distinguished author recorded observations, arising from his experience as student and as teacher, that are worth the attention of all educationists. For a time he was on the staff of an institution conducting tuition by correspondence, in addition to the viva-voce method, and he relates how it was done. Details of the system of digesting examination questions would occupy too much of my space: it must suffice to note that Wells and his colleagues obtained high percentages of passes by their students. As he shows, the system was one of intensive cultivation. Students, however they are trained, will be wise to remember that examiners have been over the ground and are keen discriminators.

Xrayser

BIRTH

ROBINSON.—At Parkside Nursing Home, Bolton, on September 28, Mary, the wife of Frank Waters Robinson, M.P.S., 71 Albert Road, West, and 48 Higher Bridge Street, Bolton, of a son.

MARRIAGE

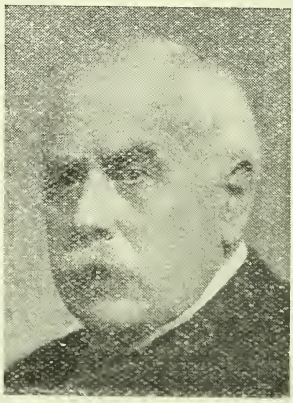
TAYLOR—TETLOW.—At Blackpool, recently, James Taylor, M.P.S., Arosfa, Overton, Lancaster, to Cora Tetlow, M.P.S., 11 Highgate, Blackpool.

DEATHS

FRAZER.—Missing from air operations on August 23, 1943, and now officially presumed killed, Mr. George Frazer, M.P.S., 2 Spencer Court, Spencer Road, London, S.W.20. Mr. Frazer qualified in 1923.

HEATH.—At 2 Morpeth Mansions, London, S.W.1, on October 5, Sir Frank Heath, G.B.E., K.C.B., aged eighty-two. Sir Frank was appointed Administrative Head of the Department of Scientific and Industrial Research in 1916. He was a governor of the Imperial College of Science and Technology and of the Imperial Institute, and a member of the Colonial Office Research Committee.

LANGDON-BROWN.—At his home, 12 Madingley Road, Cambridge, on October 3, Sir Walter Langdon-Brown, M.D.,



F.R.C.P., Emeritus Professor of Physic of the University of Cambridge, Fellow of Corpus Christi College, and a former member of the Pharmaceutical Society's Council, aged seventy-six. Sir Walter succeeded Sir Humphry Rolleston at Cambridge in 1932 and held the professorship until he retired in 1935. He was nominated by the Pri Council to membership of the Council the Pharmaceutical Society in 1938, also succession to Sir Humphry, who retired that year. At that time a member of t General Medical Council, Sir Walter w also consulting pharmacist at the St. B tholomew's and Metropolitan hospitals.

HOLLINGSWORTH. — Reported missi from air operations in November 1943, a now officially presumed killed, Mr. Cy Henry Hollingsworth, M.P.S., 24 Dar Park Road, Darley Abbey, Derbyshire. M Hollingsworth qualified in 1936.

KAVANAGH.—At his residence, 1 Hi Street, Galway, on October 5. Mr. Patr Michael Kavanagh, M.P.S.I.. Mr. Kav nagh qualified in 1916.

LUPTON.—On October 1, Major Arth W. Lupton, M.C., Ph.C. (senior lecturer pharmaceutical chemistry, medical scho Leeds University, and former head of t Leeds College of Pharmacy), aged fifty-fi Mr. Lupton was awarded the Military Cr for service in the war of 1914-18. He su ceeded to the headship of Leeds College Pharmacy on the death of the founder, M F. Pilkington Sargeant, by whom he h himself been trained and with whom he h been partner for some years, and since merger into Leeds University had be senior lecturer in pharmacy there. He w treasurer of Leeds Branch of the Pharm ceutical Society from its inception in 19 until May 1935, when his retirement fr that office brought to an end fifteen ye of active executive work for organised lo pharmacy, as he had also been secretary the Branch for its first seven years and w later its chairman. He was chairman of t Conference Fund Committee during t four years' preparation for the Pharm ceutical Conference in Leeds in 1934. E lier he had been secretary of the Chemi Association, the body which preceded t Pharmaceutical Society's branch, and w also the formation secretary of Le Branch of the Retail Pharmacists' Uni (now the National Pharmaceutical Unio holding that office by special request ur the branch got well established, even thou he was not in the retail business himself. was also a member of the old local Mi mum Retail Price List Committee, wh issued price revisions monthly, and was some time secretary of the West Ridi Pharmaceutical Committee. He was t author in 1930 of a pamphlet "Aids to t Mathematics of Pharmacy" for the use students and pharmacists. Sixth of a Y

y to enter pharmacy, he was apprentoo his father, Mr. John Arthur Lupton, ootham, York, and trained at Leeds ge of Pharmacy. After some experiwith Savory & Moore, Ltd., London, rved in the first world war, in which as wounded and decorated for gallanvith the Machine Gun Corps. Later turned to Leeds College of Pharmacy come, in due course, a partner and head. During the second world war as an active member of the Home d. Mr. Lupton had not been in the of health for some time, but his death, tnight after return from a holiday at , was unexpected. The funeral, at nswood Cemetery, Leeds, on October 4, attended by a large gathering of repreatives of pharmaceutical organisations, ls University, medical bodies, the Home rd, and Leeds Naturalists' Society.

ACDONALD. — On October 4, Mr. rles Anderson Macdonald, M.P.S., 11 n Street East, Port Gordon, Banffshire, sixty-six. Mr. Macdonald qualified in , and was later in business at Winch- Hill, London, N.21.

ERRYWEATHER.—Suddenly, on Septem- 29, Mr. A. L. Merryweather. Mr. ryweather joined Evans Sons Lescher Webb, Ltd. (now Evans Medical Sup-, Ltd.), 50 Bartholomew Close, London, .1, in May 1911, and for many years the drug buyer for the company in don. In that capacity he was well wn at the drug sales and by pharmacists e metropolis.

AKES.—On October 3, Mr. John Les- Oakes, M.P.S., 34 Sudbury Court Drive, mbley, Middlesex, aged fifty-seven. Mr. es qualified in 1921 and was with hard Daniel & Sons, Ltd., Derby, for rly twenty-five years. He joined Glaxo oratories, Ltd., Greenford, on January 1, 5, as sales office manager.

WILLS

Mr. John Hamilton Mortimer, M.P.S., rrowood, The Parade, Epsom, Surrey, £11,128, with net personalty £5,427.

Mr. James Marsh Palmer, M.P.S., 2 pe Street, Cambridge, left £6,449, with personalty £3,526.

Mr. Joseph Marshall James, M.P.S., 3 Petersham Road, Petersham, Surrey, t £10,123, with net personalty £7,774.

Mr. Harry Hinsley, 30 Hailgate, Hown, Yorks, analytical chemist, left £4,873, th net personalty £4,137.

Mr. David Lomas, 53 Boothtown Road, Halifax, Yorks, drug store proprietor, left £619, with net personalty £550.

Mr. Mark Walter Tomlinson, M.P.S., 45 South Road, Morecambe, Lancs, left £6,110, with net personalty £6,054.

PERSONALITIES

Alderman C. A. Critchley, Ph.C. and Mr. W. E. Woolley, M.P.S., have been appointed to Blackburn juvenile panel for three years.

Alderman J. Allen Jones, M.P.S., who is in business as a pharmacist in Crosby, nr. Liverpool, has accepted the invitation to become the next mayor of Crosby. A member of the Liverpool Chemists' Association, Alderman Jones was elected to the former Crosby urban district council in 1932, and was its chairman in 1936-37. He was elected to the newly-formed Crosby borough council in 1937, and was one of the borough's first aldermen.

Mr. J. W. Sampson, Ph.C., Kirton, nr. Boston, Lincs, has returned recently from a 9,000-mile holiday trip to Newfoundland and Canada. While, he states, most chemists' shops or drug-stores, as they are called, stock cigarettes, tobacco, cigars, newspapers, etc., and have seating accommodation for forty or more people to consume ice-cream and iced drinks, the dispensing departments are "models of cleanliness and splendidly arranged." Prices are slightly higher than in Britain, but stocks of films, combs, toilet preparations and many other items are abundant. Though shop hours are long they are broken up into working shifts. A public health service is maintained by institutions and clinics.

Mr. Francis Rose, M.P.S., and Mrs. Rose, 5 Adeline Road, Boscombe, Hants, celebrated their golden wedding on September 23. Mr. Rose qualified as a pharmacist in 1893 and gained the Pharmaceutical Society's bronze medal in materia medica and honours in botany and theoretical chemistry. A daughter is also a qualified pharmacist. Two years after their marriage, at Christ Church, Brondesbury, London, in 1896, Mr. and Mrs. Rose removed to Boscombe where, for over forty years, Mr. Rose carried on a pharmaceutical business that was taken over on his retirement a few years ago by Savory & Moore, Ltd., London. For some years Mr. Rose was secretary and later president of the Bournemouth Pharmaceutical Association.

TRADE NOTES

DDT Insecticide.—An insecticide for use against flies, bugs, cockroaches, etc., has been issued in the Ucal series under the name of Dopo-plus by the United Chemists Association, Ltd., Cheltenham.

Hydroxyquinoline Derivatives.—Pierson, Morrell & Co., Ltd., Barnet, Herts, specialise in the manufacture of salts and derivatives of 8-hydroxyquinoline, including chiniofonum and di-iodoquin.

Sole Distributors.—James Woolley, Sons & Co., Ltd., Victoria Bridge, Manchester, 3, announce that on October 1 they became the sole distributing agents for Towle's chlorodyne.

Address for Empties.—Thomas Morson & Sons, Ltd., London, ask that all empty containers returned to the company should be sent to Summerfield Chemical Works, Wharf Road, Ponders End, Middlesex.

Agencies Sought.—W. Sutton & Co., Druggists' Sundries, London, Ltd., Horse-Shoe Lane, Chase Side, Enfield, Middlesex, are prepared to act as selling agents for preparations sold exclusively through chemists.

Advertising Support.—A new advertising campaign for Huffs germ-killing throat tablets manufactured by Hough, Hoseason & Co., Ltd., Levenshulme, Manchester, 19, has been inaugurated by the manufacturers in preparation for the winter demand for this speciality.

Price Increases.—Eucryl, Ltd., Southampton, advise that prices of two of their preparations, A.S.K. antiseptic skin cream and A.R.O. anti-rheumatic ointment, have been increased. Retailers' profits have also been increased. Details may be obtained from the company.

Dental-plate Brushes. — Parker - Hale, Ltd., Bisley Works, Whittall Street, Birmingham, 4, have introduced a new dental-plate brush under the name Nylos. The brush is described as "scientifically designed to fit any dental plate." Retailers are invited to write to the manufacturers for trade terms.

Design Competition.—The Metal Box Co., Ltd., Portland Place, London, W.1, announce that copies of the rules and list of judges in the design competition organised for the company by Central Institute of Art and Design, 41-42 Dover Street, London, W.1, are obtainable from the Instit and not as previously stated.

Head Lice Emulsion.—Pure Produc Ltd., Chelsea Street, New Basford, Nottin ham, have issued "liquid Derbac," emulsion containing DDT and designed use as a means of eradicating pediculo capitis. An article from the "British Me cal Journal" outlining the method of tre ment is available as a reprint from company.

Five-day Week.—R. J. Reuter C Ltd., Slough, Bucks, have been operatin five-day week from October 1. Arran ments have been made for slightly lon hours during the five working da —Scrubb & Co., Ltd., and Chemical Natural Products, Ltd., Wimbledon F tory Estate, Morden Road, London, S.W. have instituted a five-day week at th offices and works.

Warning Against Imitations.—D.G Products, Ltd., proprietors of Ann Ca beauty preparations, state that non-genui lipsticks have been offered to the trade Ann Carol by an unauthorised person. T proprietors advise the trade that suppl of genuine Ann Carol preparations are tainable only direct from the compan offices and factory at 21 Beak Stre London, W.1.

Surface-active Agents.—Croda, Lt Croda House, Snaith, Goole, Yor announce the introduction of a new ran of seventeen non-ionic surface-active agen entitled crills (polyol-esters), Nos. 1-17. T substances range from water-in-oil to oil-water emulsifiers, and include detergen solubilisers and wetting agents, yielding p ducts of standards previously unobtainab Bulk supplies will be available shortl samples and technical information available for all inquirers upon applicati to the company

Proprietary Articles Trade Association

Alterations to Protected List.—*Horlicks, L* increased prices, October 1: Horlicks mal milk, No. 1 bottle, 2s. 6d., 24s. doz.; No. 2 bot 4s. 6d., 43s. 2d. doz. (subject to usual 5 per cent. £3 lots and 10 per cent. on £10 lots). *Moore M cinal Products, Ltd.*, Morovin tablets, tins of 25, doz., tax 2s. doz., i.r.p. 1s. 8d. Deedon inhalers, poc model B, 18s., 144s. doz.; home model C, 24s., 1 doz.; composite model D, 26s., 208s. doz.; mode (oily solutions and powder insufflator), 19s. 156s. doz. (All exempt from tax).

COMPANY NEWS

RAH LYTTON, LTD. (P.C.).—Capital 00. To carry on the business of ufacturers of, and dealers in, cos- cs, dyes, soaps, washing materials, poos, chemicals, etc. The first direc- are not named. R.O.: 44 King Street, chester, 2.

LOWES & SON (CHEMISTS), LTD. .).—Capital £1,500. To carry on busi- of wholesale and retail chemists and gists, etc. F. Lowes, 78 Sunderland et, Macclesfield, and J. Lowes, 11 Bryn- Road, Macclesfield, directors. R.O.: Sunderland Street, Macclesfield.

AR EAST EXPORTS, LTD. (P.C.).—Capi- £500. To carry on the business of ufacturers and exporters of chemicals, gs, disinfectants, fertilisers, colours, , toilet requisites, photographic, electri- and scientific apparatus, etc. First direc- are to be appointed. R.O.: 22 Charing ss Road, London, W.C.2.

MALGAMATED BIO-CHEMICAL CO., LTD. .).—Capital £100. To carry on the ness of manufacturers of, agents for and lers in glandular, vitamin and health ds, herbal remedies, and medicinal pre- ations, etc. Ernest E. H. Tupling, 1 wood Avenue, Carleton, Poulton le de, Lancs., Ronald W. D. Hydes, 45 lesall Road South, Sheffield, and John Davies, 19 Kingsley Park Grove, Shef- d, 11, directors. R.O.: 11 Birley Street, ckpool.

HOMELEIGH PRODUCTS (ESSEX), LTD. .).—Capital £500. To acquire the busi- s of a manufacturer of, and dealer in, rmaceutical and chemists' sundries, ried on by Frederick W. Maul at Wood- d Works, 240 Eastwood Road, Rayleigh, ex. Frederick W. Maul, 240 Eastwood ad, Rayleigh, Essex, and Miss Estella e, "Shangri-La," Plumpton Green, wes, Sussex, directors. R.O.: Woodford rks, 240 Eastwood Road, Rayleigh, ex.

A. HOGG (THE PHARMACY), LTD. (P.C.). Capital £1,000. To acquire the business merly carried on by the late Andrew gg at Lundin Links, Lower Largo, Fife; d to carry on the business of wholesale d retail chemists, pharmacists, druggists d opticians, etc. T. W. Hogg, Church ad, Leven; G. T. Inglis, High Street, ven; A. N. Hogg, Church Road, Leven; s. D. Ross, Lundin Links, Fife; and A. gg, Church Road, Leven, directors. O.: Lundin Links, Lower Largo, Fife.

A. E. SPRECKLEY, LTD. (P.C.).—Capital £1,000. To acquire from Ada R. Spreckley or others the business of a chemist and druggist heretofore carried on at 545 Wimborne Road, Bournemouth. Ada R. Spreckley and Ida M. Symes, both of 545 Wimborne Road, Winton, Bournemouth; David Fieldglass, Marina Court, 5 The Marina, Boscombe, Bournemouth; Jessie Payne, Oranmore Hotel, 42 Aberdeen Park, Highbury, London, N.5, directors. R.O.: 545 Wimborne Road, Winton.

KERSHAW-SOHO (SALES), LTD. — The augmented board of directors is as follows: Messrs. W. B. Pirie, D.S.O., D.L. (chairman), C. Kershaw, M.I.Mech.E., F. Inst.P., N. Kershaw, R. T. Knight, F.L.A.A. (secretary), L. E. H. Maund, C.B.E., D. A. Rayner, D.S.C., V.D. (sales manager).

BUSINESS CHANGES

MR. F. WATERS ROBINSON, M.P.S., has opened a pharmacy at 48 Higher Bridge Street, Bolton.

BIRKENHEAD AND DISTRICT CO-OPERATIVE SOCIETY, LTD., are establishing a pharmacy department at Tudor House, Grange Road, Birkenhead.

EVANS MEDICAL SUPPLIES, LTD., have appointed the New Apothecaries Co., Ltd., 59 Glassford Street, Glasgow, C.1, as their agents in the Glasgow area.

MR. J. H. MILES (Dublin representative of C. R. Harker, Stagg & Morgan, Ltd.), has removed to "Chesterwood," 99 Kimmage Road West, Dublin. (Telephone: Dublin 97192.)

ST. HELENS INDUSTRIAL CO-OPERATIVE SOCIETY, LTD., have opened their first pharmacy and optical department at premises formerly occupied by Mr. A. R. Baron, M.P.S., 49A Peckers Hill Road, Sutton, St. Helens, Lancs.

PARKE, DAVIS & CO. held in London on September 27 a first conference of representatives to be held under recent changes in management, at which the new manager (Mr. L. O. Smith) announced that Mr. Knott would assist him in control of the branch; that Mr. E. H. Lambert had been appointed sales manager; and that Mr. Freeman (formerly chief chemist at the Hounslow laboratories) had been promoted to superintendent in place of Mr. Cathcart, who was retiring at the end of the month. The conference was followed by a dinner.

A GUIDE TO SCIENTIFIC FILMS

A NEWLY published "Catalogue of Films of General Scientific Interest" compiled by the Scientific Film Association, minimises the risk, in planning a film show, of selecting films which prove on projection quite unsuited to a particular audience. The Association, a voluntary non-profit-making body, was founded in 1943 "to promote the national and international production and use of the scientific film in order to achieve the widest understanding and appreciation of the part which science can play in the modern world."

System of Appraisal

The catalogue lists 595 films available in Great Britain, the subjects ranging from the highly specialised to the broader relationships between science and society. 266 of the films have been "synopsised," appraised and graded by special committees according to a system developed by the Scientific Films Committee of the Association of Scientific Workers. Films are graded 1 (recommended), 2 (suitable), or 3 (unsuitable), in three different categories: G (for general audiences and audiences of mixed scientists), S (for more specialised audiences with a knowledge of the subject matter of the particular film), and T (for adult teaching or training purposes). Each graded film was shown before a small audience expert in its subject matter. One member of the audience prepared a synopsis, and each member graded the film and wrote a short critical appraisal. The gradings were averaged, and the critiques collated and summarised by a subcommittee.

A typical entry will illustrate the application of this system. A film entitled "Conquest of a Germ" is graded G2, S3, T2; i.e., suitable for general and non-specialist scientific audiences, but not for specialised audiences. The synopsis reads: "The story of the discovery of chemotherapeutic compounds, including the sulphonamides and penicillin, told in dramatic terms through the eyes, thoughts and actions of a young doctor in the first few years of his professional career, first in a hospital and later in the R.A.M.C." Then follows the appraisal: "From the viewpoint of a scientific audience the treatment is too emotional, and too much time is wasted on doleful dramatisation. There is no account of the long and painstaking research involved in the discovery and application of new drugs. Much more information could have been given to show results. The film has some value for lay audie in that it presents a doctor in a ra unusual light as an individual having do and worries of his own, while trying to the best way of treating his patients. film also provides some general informa about the sulphonamides and penicillin.

The catalogue has a carefully prepa index, listing the films under a numbe headings and subheadings. Under the h ing "Medical and Para-medical Scienc are twenty subheadings, including a thetics, disease, history of medicine, pitals, pestology, pharmacology and search. Among the film distributors n tioned are the British Oxygen Co., I The Crookes Laboratories, Ltd., Imp Chemical Industries, Ltd., the Ko Medical Library, the Microchemical C and T. J. Smith & Nephew, Ltd. One p is devoted to hints to film borrowers. Co of the catalogue (5s. 3d. post free) ma obtained from the Scientific Film Asso tion, 34 Soho Square, London, W.1.

NEW BOOKS

***p*H and Plants.**—James Small, D Ph.C. (Professor of Botany, Queen's U versity, Belfast), 5½ in. x 8½ in. pp. Ballière, Tindall & Cox, 7-8 Henri Street, London, W.C.2. Price 12s. This book brings concisely into one vol many aspects of a wide subject, nar the significance of the *p*H of environm and cell sap in the metabolism, growth, health of plants. Though the book req an elementary knowledge of botany an *p*H, revision chapters on the *p*H scale, on buffers, and appendices on *p*H, [H and dissociation, should give to whom author calls the "non-mathematical ginner" an adequate working pictur the physical chemistry involved. author's style is easy and straightforw and he fosters added interest by refere to practical applications in agriculture other industries, but it is unfortunate, haps, that direct references to pharm and pharmacognosy are so few. Of bot cal interest is a summary, illustrated schematic diagram, of recent work ducted by the author and others on effect of *p*H on the mechanism of stom opening. The book is well furnished graphs and tables, and contains a com hensive bibliography, given partly a source of material used, and partly a guide to further study.

HARMACEUTICAL SOCIETY OF GREAT BRITAIN

e Council of the Pharmaceutical Society Great Britain was held in London on tober 1 and 2, the president in the chair. apology for absence was received from fessor W. J. Dilling.

THE PRESIDENT referred with regret to death of Mr. G. R. Hill, C.B. (Chair- n of the Statutory Committee of the iety from 1939 to March 1946). It uld be remembered, he said, that Mr. l personally redrafted the Rules of the mmittee.

rrespondence

A letter was received from the secretary the Pharmaceutical Society of South rica, forwarding a resolution passed at first annual meeting of its General uncil, in which appreciation was ex- essed at a message of good wishes from omsbury Square and at the address de- ered on that occasion by Mr. C. W. plethorpe during his recent visit to hannesburg.

anges Among Examiners

THE SECRETARY reported that Professor Ferguson, in acknowledging the Society's ter of appreciation of his long service as e of its examiners, had expressed the hope at he might not be considered to have mpletely severed a connexion in which took great pride, and that he was "not much of a crock as not to be able to lp in an emergency." It was reported ofessor E. C. C. Baly had resigned from e Society's board of examiners in chemis- y after many years' service. An appro- iate letter had been sent.

ublications

The following have accepted invitations serve on the Editorial Committee of the Quarterly Journal of Pharmacy and harmacology": Professor G. A. H. Buttle, r Jack Drummond, and Dr. F. Hartley. n advance copy of "Penicillin: Its Pro- erties, Uses, and Preparations," was pre- nted for inspection by members of Coun- l, and it was announced that the book ould be published on October 25.

The Publications Committee of the ouncil has agreed to increased rates for lassified advertisements in the "Pharma- eutical Journal," to come into operation n January 4, 1947. A subcommittee has een appointed to examine a draft of revised egulations for the acceptance of advertise- nents.

Drug Requirements Advisory Committee

The Council received a report upon a letter from the Ministry of Health announcing the setting up of a "Drug Requirements Advisory Committee" with the following terms of reference:—

"To compile, for the information of the Minister of Health and the Secretary of State for Scotland, a list of those drugs considered to be necessary for the health of the community; to keep this list continuously under review; and to make recommendations on related matters referred to it by the Ministers."

It is proposed that the Committee should consist of Sir Weldon Dalrymple-Champneys (chairman); Professor Burn (professor of pharmacology, University of London); Dr. H. Davis (pharmacist, University College Hospital); Mr. T. C. Denston (Pharmaceutical Society); Professor Gaddum (professor of materia medica, Edinburgh University); Dr. C. H. Hampshire (secretary, British Pharmacopœia Commission); Mr. R. D. Hutchinson (Directorate of Medical Supplies, Ministry of Supply); Dr. Johnston (Department of Health for Scotland); Dr. Kennedy (Ministry of Health); Dr. Melville (Royal Botanical Gardens, Kew); Mr. Mortimer (ex-secretary, Wholesale Drug Trade Association and ex-Deputy Director of Medical Supplies, Ministry of Supply, appointed in a personal capacity); Mr. A. W. Thompson (Ministry of Health), and Professor Witts (Medical Research Council). THE SECRETARY pointed out that seven of the members were pharmacists.

Advertising of Proprietary Medicines

The Council took note of a letter from the National Pharmaceutical Union forwarding a copy of a resolution passed by its Executive for conveyance to the Advertising Association. The resolution referred to the Association's Report on Standards for Advertising of Proprietary Medicines, and stated that the Executive, "whilst not disapproving of any such standards, cannot approve of any so-called safeguards for the public which do not include the removal of medicines for human use from sale as ordinary merchandise." In its reply, sent to the Advertising Association in August, the Society's Council welcomed the proposals.

It was reported that the Ministry of Transport had decided to establish a com-

mittee to revise the Ship Captain's Medical Guide, and the Society had been invited to nominate a representative on it. THE PRESIDENT had nominated Mr. H. G. Rolfe, B.Sc., Ph.C., A.R.I.C., and the Council approved his action.

An interim report was received on the work of the Committee that is considering the pharmaceutical aspects of the White Paper on Veterinary Practice by Unregistered Persons.

Registered Pharmacists' Union

The Council authorised publication of the following statement:—

The Council have been asked to give some guidance to its branches and members about the Registered Pharmacists' Union. They have examined the proposed objects of the Union, which seem to them to overlap those of a number of other pharmaceutical bodies. Pharmacy is, in fact, well served by organisations covering a greater part of the proposed field of the Union and, broadly speaking, there is nothing that a new body with these particular aims and objects can do which is not already being undertaken by existing bodies, many of them with long experience. Nor does it seem to the Council that such a body will further the interests of either employee or employer pharmacists. In particular, the negotiating machinery which has functioned for the past two years between pharmacy and the Ministry of Health over the National Health Service represents the profession adequately and satisfactorily. To propose its transformation at this late stage is to weaken and not strengthen the position of pharmacy. The Council are reluctant to discourage any movement having for its object the betterment of pharmacy. They are, however, of the opinion that a new body with the aims announced by the Union will only add confusion within the field of pharmaceutical organisation and will hinder and not help the negotiations with the Ministry of Health. The Council suggest that Branches and members of the Society should have these considerations in mind when determining their attitude to the new body. As they have already stated, the Council would welcome a movement having for its object the further coordination of bodies representing employee pharmacists.

Benevolent Fund and War Aid Committee

MR. J. F. MCNEAL submitted the minutes of the Benevolent Fund and War Aid Committee and moved their adoption. The total received for the War Aid Fu to September 30 was £40,381, and t total expenditure to the same date w £12,316. Under the new legislation affe ing Old Age Pensions, all pensioners we allowed an unearned income up to £65 each year without affecting the amount the pension. The Society had review many cases in the past, but, had additior grants been made, the annuitants would n have received the full benefit there Under the new scheme it was possible give the full amount desired witho any of the increase going to the State. T Committee recommended that the Bene lent Fund annuities payable to fifty-fi annuitants should be increased to £50 from January 1, 1947, the total cost of t increase being £1,547. The Committ further suggested that, when the constit tion of the Society was under review, co sideration should be given to the extensi of the benefits of the Fund to register students. A legacy of £50 had been r ceived from the estate of the late Mr. Alb Atkin, West Hampstead. Mr. Atkin h always taken a great interest in the Socie and was at one time a candidate for t Council.

"The Huddersfield Branch," M McNeal concluded, "has made a gift of grand piano for Birdsgrove House. I a wondering whether other branches mig not adopt this idea of making such pr sents. At the present time more chairs a wanted. THE PRESIDENT expressed the ho that members of the Society would ta note of Mr. McNeal's suggestion. T minutes of the Committee were adopted.

Establishment Committee

MR. W. S. HOWELLS moved the adopti of the minutes of the Establishment Co mittee. It was recommended that t Pereira medal should be awarded to M James E. Pascoe. Following a reco mendation that the minutes of t meeting of the salaries and wag subcommittee held on September should be adopted, Mr. H. M. HIRST d sociated himself from the proposal. "O salaries in 1939," he said, "were £23,oc and now they are £40,000. I think it time we cried a halt. I do not kn whether more will be said on this subje when the minutes of the Finance Committ are considered, but I cannot see that we a doing anything but drifting into bankrupt or being forced again to increase the fe payable by our members."

THE SECRETARY had reported that owing war-time restrictions no medals had been en to the winners of the Council prizes d Herbarium competitions, Leverhulme olarship, Pereira medal, Martindale dal, or School prizes since 1942. The lders of the awards had in each instance en informed that they were entitled to e medal. The restrictions had now been noved and medals could be supplied. e chairman of the Codex Committee had pointed Mr. Lewis H. Priest as an assist- t in the Codex Department from Septem- r 23. The minutes were adopted.

lucation Committee

Adoption of the minutes of the Education ommittee was moved by MR. C. W. APLETHORPE. Since the previous meeting venty-six concessions had been granted to -Service men and women in respect of bjects of the Intermediate examination, even in respect of subjects of the Chemist nd Druggist Qualifying examination, and ur in respect of subjects of the Pharma- eutical Chemist Qualifying examination. he Committee had considered the date pon which the application of these con- essions should be terminated, and recom- ended that they should not apply to men nd women joining the Forces after January , 1947. It was recommended that the Jmney Memorial prize should be awarded o Miss Elizabeth Patience Borley. The Education Committee confirmed the action f its chairman in admitting five persons to special preliminary examination under Regulation 3, and the acceptance of ten persons for registration as Apprentices or Students. Of twenty-two further applica- ions, six were granted under each of these wo heads, together with analogous con- essions in five other cases; two candidates were accepted as Apprentices or Students after special preliminary examination, and the remaining three (ex-Service candidates) were given permission to sit again. Since the previous meeting twenty-six concessions had been granted to ex-Service candidates for the Intermediate examination, eleven for the Chemist and Druggist Qualifying examination, and four for the Pharmaceuti- cal Chemist Qualifying examination. Five applications for the return of examination fees were granted. On the recommenda- tion of the Educational Committee, the Council decided that concessions to ex-Ser- vice men and women should not apply to persons joining the Forces on or after January 1, 1947. The chairman (Mr. Maplethorpe) said that as men called up after January 1, 1947 were to be permitted to complete their professional training first, the Committee had felt this to be a suitable date for terminating the concessions. Those joining earlier would be eligible for con- cessions when demobilised.

Scientific Film Association

THE CHAIRMAN of the Education Com- mittee submitted a recommendation by the Committee that the Society should take out corporate membership of the Scientific Film Association. The recommendation was adopted. The Committee's minutes were approved.

Law Committee

The report of the Law Committee, pre- sented by MR. C. DAVIS (chairman), stated that in the past two months the premises of 1,619 authorised sellers, 210 listed sellers and 876 drug-store proprietors and similar traders had been visited by the Society's inspectors and agents. Twenty-two cases of alleged infringements had been con- sidered and appropriate action taken. Drafts of amendments to three of the Society's by-laws were read the third time.

Finance Committee

THE TREASURER submitted the minutes of the Committee and moved their adop- tion. The Committee requested the secre- tary to call a special meeting of the Finance Committee on November 13 for the purpose of considering the estimates for 1947, and to invite the attendance of the chairmen of other Committees. "Reference has been made," he said, "to the increasing costs and I personally am very worried about them. I think the position will be tackled definitely at this special meeting." An- swering a question, THE SECRETARY agreed that the staff salary increases were on scales that had been approved by the Council in the past; only three cases were outside that scale. The minutes were adopted.

Adoption of the minutes of the Public Service Committee concluded the public business of the Council.

Trieste Cocaine Smuggling.—According to a "Glasgow Herald" report, police in- vestigating a drug-smuggling ring have seized 280 vials of cocaine, believed to be of German war-time manufacture. The drugs are said to have come from South Tyrol, and to have been in the process of being passed from that area to North Italian towns.

NATIONAL PHARMACEUTICAL UNION

THE monthly meetings of the Executive of the National Pharmaceutical Union, and of the directors of the Chemists' Defence Association, were held in London on September 25.

A report of the Accounts Committee, and the treasurer's report, were submitted by THE TREASURER (Mr. A. R. Meulhuish). Owing to increased printing charges it had been found necessary to advance the selling prices of several of the N.P.U. "business aids." The reports were adopted.

Standardisation of Fluid Measures

THE SECRETARY reported that a meeting of the British Standards Institution Drafting Panel had been held on September 19. Messrs. Hearle and Noble (deputy-secretary, N.P.U.) had attended as the Executive's representatives, and MR. HEARLE reported that strong representations had been made to retain, so far as possible, the specification for fluid measures already in use.

Purchase Tax

It was reported that the secretary had attended a Conference of senior officers of Customs and Excise and representatives from the National Chamber of Trade on September 17, when the discussion was confined to seeking ways and means by which it would be possible to secure a rebate of purchase tax in the event of removal or reduction of tax at some future date.

The secretary was instructed to send the congratuations of the Executive to the Proprietary Articles Trade Association on its record of fifty years' work.

Distribution of Baby Foods

Following negotiations at the Ministry of Food, it was learned that no further change was contemplated in channels of distribution of baby foods. In conjunction with the Pharmaceutical Society, conversations had also taken place at the Ministry's offices on suggested restrictions on the sales of milk foods intended for infant feeding. As an outcome of the meeting, a circular would shortly be issued to retail chemists, through divisional food offices, urging that sales of milk foods for infants should be made only to persons producing an R.B.2 ration book, showing the child concerned to be not more than two years old.

Board of Trade Census

Notice was received of a compulsory census of the distributive trades for the trading year 1948 to be taken after the necessary legislation has been passed. A vol tary "pilot" census, based on the trad year 1946, is to take place early next y in the following areas:—

Counties. — Berkshire, Aberdeensh Merionethshire.

Towns (England and Wales).—Liverp plus Bootle, Aldershot, Barnard Cas Bridgend, Chester Crook, Halifax, Oxfo Rugby, Skegness, Skelmersdale, Swans Taunton.

The census will include dispens chemists and chemist-opticians, and categories of goods affecting retail ph macy have been grouped under the follo ing headings:—

DRUGS, ETC., AND TOILET PREPARATION
- Dispensed medicines
- Drugs and medicines
- Sickroom, surgical and hospital suppli chemists' sundries
- Cosmetics, toilet preparations, perfum
- Razors and blades
- Toilet requisites
- Toilet soap

PHOTOGRAPHIC, OPTICAL, SCIENTIFIC GOO
- Cameras and projectors
- Photographic equipment and supplies
- Spectacles
- Optical prescriptions
- Optical goods and binoculars
- Scientific instruments
- Surgical instruments and appliances

Publications

A report of a meeting of the Publicatio and Price List Committee held on Septe ber 24 was submitted by THE CHAIRM (Mr. G. H. M. Graham), when proposals f a revised list of "private" dispensi charges for penicillin preparations we submitted for inclusion in the October iss of the N.P.U. retail price list. The repo was adopted.

War Distress Fund

THE SECRETARY reported that the W Distress Fund had available the sum £28,760, and that the Committee was pr pared to consider any claim which can within the objects of the Fund. The Con mittee has expressed the wish that any pe sons who think they may have a claim fo assistance from the Fund should send in th claim as soon as possible.

THE SECRETARY reported that officials c members of the Executive had arranged t attend the following Branch meetings: Th secretary (G. A. Mallinson) at Bournemout

n November 11; Mr. W. J. Tristram at Volverhampton (joint meeting with ociety's Branch) on November 12; Mr. E. kues in South-west London on November 9; the chairman (Mr. H. Steinman) at Leeds on November 28.

The report of a meeting of the Joint ndustrial Council held on September 5 was eceived. The employees' side submitted n application for further increases in the cales of salaries and wages; this was remitted to the General Purposes Committee of he Council for detailed consideration by oth sides.

The report of the Business Services Comnittee dealt mainly with the administration f the Business Purchase and Guarantee 'und and gave particulars of the loans ranted and of applications received.

Silver Jubilee Conference

THE SECRETARY reported on arrangenents made in connexion with a Conference of the N.P.U. branch delegates to be eld at the Connaught Rooms, Great Queen Street, Kingsway, London, W.C.2, on Thursday, October 31, commencing at 10 a.m.

Chemists' Defence Association

AT a meeting of the directors of the Chemists' Defence Association, Ltd., held on September 25, the following settlements of outstanding claims were approved:—Damages due to faulty labelling of an olive-oil container, £56 16s.; loss sustained from damage to Neon sign by member's sunblind, £7 12s.; damage caused to customer's clothing by barbed wire attached to sunblind, £2 12s.; loss of wages and other charges in connexion with the sale of a bottle of phenol mixture, £100; costs of medical attention due to supply of camphorated oil in error, £15 15s.; claim for supply of technical white oil in error; by an assistant, £5; personal injury and damage to clothing due to faulty sunblind fitting, £30; expenses connected with damage to decorations, etc., due to water leakage from member's premises, £23 1s.

Applications for Legal Assistance

Members' applications for legal assistance which had been referred to the Union's solicitors included disputes arising out of leases, two applications in connexion with members' wills, problems connected with tenancy and repairs to premises, adoption of a child, a wine licence, and solicitors' charges. The Union's solicitors had been successful in securing the withdrawal of four out of six summonses arising out of overcharges on the sale of combs, and legal assistance had been provided in connexion with a summons under the Foods and Drugs Act in respect of a sale of glycerin having a water content of 15 per cent.

HOSPITAL DISPENSING IN NORTHERN IRELAND

THE ancillary services subcommittee of the Northern Ireland Regional Hospitals Council has issued a report making recommendations on hospital dispensing services. The committee was advised by Messrs. W. J. Stevenson and W. H. Boyd (Ulster Chemists' Association) and Messrs. J. Cole and J. Restrick (Royal Victoria Hospital).

The report recommends that dispensing services in the future should be on a regionalised basis, and urges the establishment of a central buying board for the supply of certain standard commodities used in all hospitals. To this board there should be attached a servicing department capable of doing repairs to and looking after surgical instruments and equipment, and a department for their supply or manufacture. The following scale of staff is suggested as adequate to cover work in the dispensing departments: Hospitals up to 200 beds, one part-time dispenser and one storeman; 200 to 350 beds, one full-time dispenser and one storeman; 350 to 500 beds, one full-time dispenser and two storemen; 500 to 700 beds, two full-time dispensers and three storemen; for each additional 200 beds, one extra dispenser.

In addition to looking after their own stores, dispensers are to be generally responsible for ordering instruments and appliances for other departments and to have certain administrative duties, and the subcommittee suggests that these factors should be taken into account when assessing remuneration. The subcommittee does not put forward any suggested scale of remuneration for dispensers, but the following system of grading is suggested:—Grade 1, a chief pharmacist in charge of a dispensary in a hospital with at least two assistants; Grade 2, a chief pharmacist in charge of a dispensary in a hospital with one assistant; Grade 3, a deputy-chief pharmacist in charge of a dispensary in a smaller hospital with no assistants; Grade 4, assistant pharmacist. So far as is possible, no part-time appointments should be made.

HYPODERMIC TABLET MANUFA

IN THE SPECIALLY CONSTRUCT

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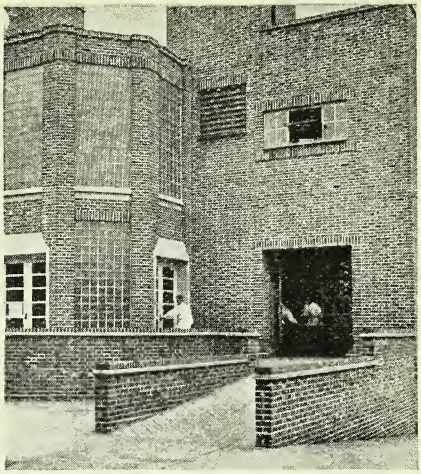

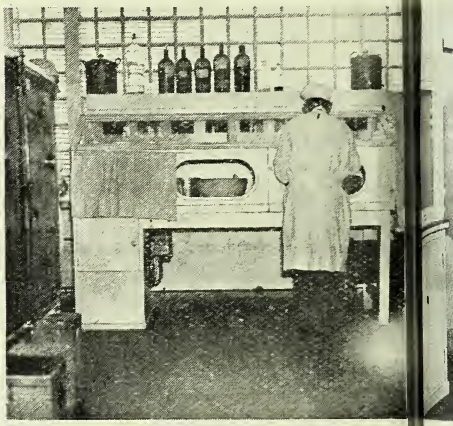

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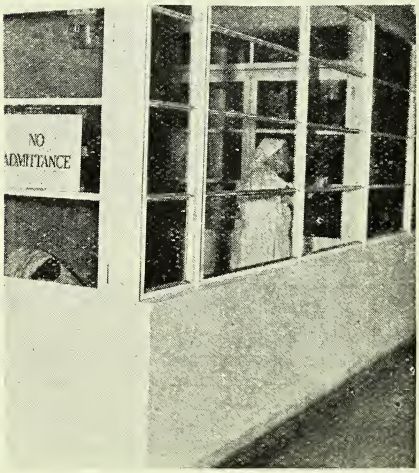

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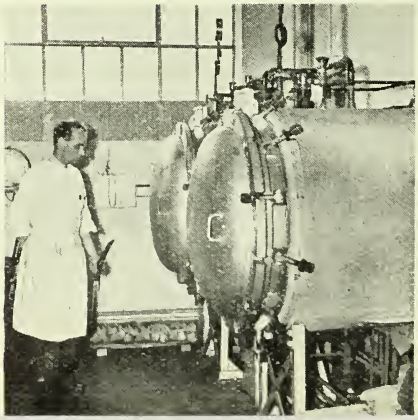

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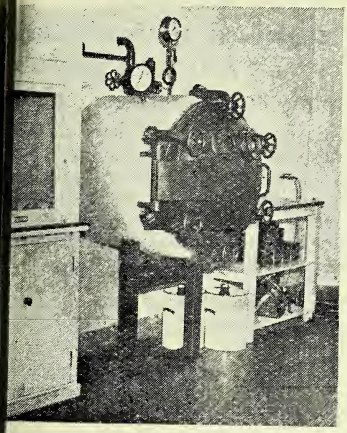
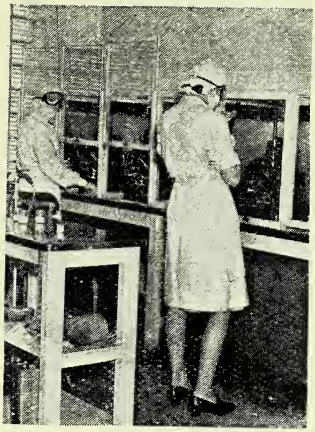
ER COMPLETE STERILITY

UILDING OF BURROUGHS WELLCOME & CO., DARTFORD





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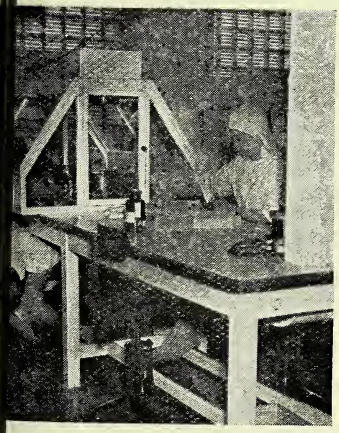

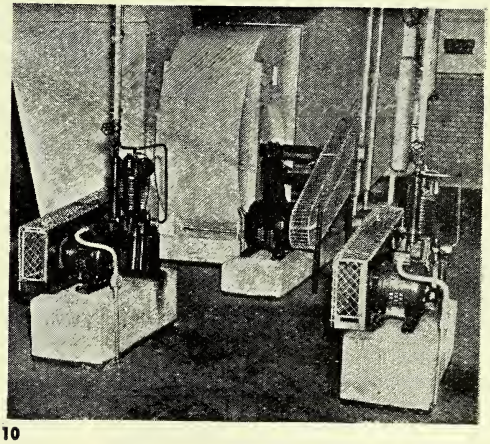

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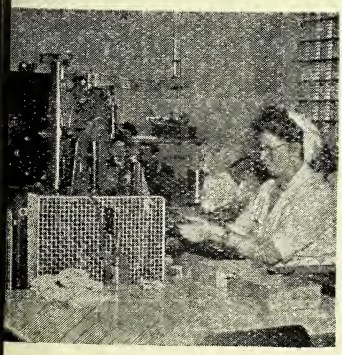

1. Exterior of aseptic building; entrance and lift bay.
2. One of the air-locks in inner corridor, giving access to aseptic rooms.
3. Part of autoclave room showing temperature recorders. In background are canvas shoes awaiting wrapping and sterilisation.
4. Granulating hyoscine hydrobromide.
5. Hatch through which materials enter granulating room; vacuum desiccator for drying penicillin.
6. Compressing emetine hydrochloride.
7. Penicillin ophthalmic tablets at compression stage.
8. Another part of the compressing rooms, showing balances and recorder from sterilising oven.
9. Filling of penicillin hypodermic tablets.
10. Part of the air-conditioning apparatus.
11. Checking and finishing Tabloid hypodermic morphine sulphate.
12. Machine-labelling Tabloid penicillin hypodermic.

PRODUCTION OF HYPODERMIC TABLETS UNDER CONDITIONS OF FULL STERILITY

A technique of sterilisation and asepsis developed on a manufacturi scale in the Dartford works of Burroughs Wellcome & Co. has now bee extended to the whole range of the company's hypodermic tablet

NECESSITY was to prove the mother of opportunity when, in 1944, Burroughs Wellcome & Co. turned their attention to presenting penicillin in compressed tablets for injection. Without unimpeachable sterility of the products, such a project could not have proved successful. To achieve it on the scale required a new building was erected which, of conspicuous architectural distinction externally, incorporates within its walls many novel, ingenious and elaborate devices for preventing bacterial infection in the products manufactured. More recently, the building has become available for putting into effect a long-standing ambition of the company's production chiefs—an ambition, however, that previously had seemed too visionary and too costly to realise—namely, to advance from conditions of practical asepsis, including the use of sterilised tubes, cotton-wool and corks, to absolute sterility at every stage of manufacture. Today the dream of yesterday is an accomplished fact. Every stage of production from granulation to sealing of the phial comes within the scope of the sterility precautions, only the labelling and dispatch remaining to be completed under conditions normal to the production of pharmaceutical specialities in the remainder of the works.

From Theory to Practice

Before practice could keep pace with theory a wide gap had to be bridged—how wide may be judged by cataloguing the processes for which sterile conditions had to be provided. These were:—

(a) Preparation of sterile bases.
(b) Granulation.
(c) Drying.
(d) Compressing.
(e) Filling into sterile glass tubes, plugging with sterile cotton-wool, and sealing with sterile corks.

The method adopted was fundamentally simple. The building was planned to have a sterile and non-sterile section side by side. The main doorway opens upon a wide corridor from which there is free access to all the rooms on the right, but on the left to one room only. The remainder are sealed off behind a glass-sided sterile corridor within and along the main corridor. Tw sets of double doors at each end of t sterile inner corridor further subdivide into two air-locks and an aseptic centr portion from which alone is entry possib to the series of rooms reserved for the pr cesses demanding complete sterility.

Entry into Sterile Section

Nobody enters the building except ov a lysol-impregnated mat. Nobody ente the sterile inner section without first passi through the air-lock, where he or she is r quired to change their shoes for autoclav canvas ones, to wear a sterilised overall ar specially designed headgear. For the gir the headgear is a sort of hood-backed ca outside which no hair is allowed to appea These requirements met, the employee pr gresses into the sterile central portion ar gives a final scrub to the hands before bei admitted to the operational rooms beyon Into these the outer windows admit lig but no air. Air enters exclusively through conditioning apparatus after double filtr tion. The glass walls and the floors a kept smeared with sterilised oil, which removed and replaced at regular interval At the end of each day's work all machin are washed and movable parts are sterilise in special containers by dry heat overnigh The remainder of each machine is flame and machine and cabinet are treated wit an antiseptic and with sterile oil. Eac machine, whatever the function it fulfils, housed in a glass-fronted cabinet or chan ber individually connected to the apparatu for atmospheric filtration. Air in th cabinets is taken from the room but sub jected to two further filtrations (throug oil-glass and fine paper) and circulated at positive pressure—a further safeguar against the ingress of bacteria while opera tions are in progress; tests show that the a within the chambers is completely bacteri free. As the operatives work with glove hands through openings in the glass fron of the cabinets, there is no necessity fo them to wear masks continuously, excep when handling emetine, and here the mas is used to protect not the drug but th worker against conjunctivitis or other irrita tion caused by the alkaloid.

On the non-sterile side of the building re carried out pre-production processes, ich as the autoclaving of cotton-wool, orks, canvas shoes and clothing, hot-air erilisation of some of the raw materials, nd post-production work such as labelling nd checking.

tages in Production

A drug on its passage through the build-ng starts off in the left-hand non-sterile oom (already mentioned as being the only ne on the sterile side of the main corridor). n this room, divested of all outer packings, ontainers are wiped with antiseptic oil nd placed in a hatch whose remote window pens into the first sterile room—the granu-ating department. To permit work in the terile cabinets, specially developed small ranulating machinery has been devised; sing the machines demands a high degree f manipulative skill to overcome the diffi-ulties inherent in working in restricted pace. When made, the granules are dried, ither in hot-air drying cabinets or—in the pecial instance of penicillin—in a vacuum-rying apparatus. At the next stage, in the ompressing room, the granules go to one or ther of a battery of tabletting machines, ach housed, as previously mentioned, in its wn glass case. Separate machines are re-erved for different products, and each nachine is labelled with the name of the Tabloid preparation which is being made. Where several machines are engaged upon ne preparation, a separate sterile cabinet or each group is used for the temporary torage of reserve material. If, for any eason, some of the material undergoing ompression is taken away from its machine, t is not allowed to be taken back, but put n one side for subsequent recovery in the aboratories. By these precautions, rigidly applied, any chance that one preparation might become accidentally intermingled with another is effectively eliminated. After compression the tablets are, where neces-sary, dried. They pass then into the final room in the sterile series, where they are filled into the previously sterilised con-tainers, plugged with sterile cotton-wool, and sealed. Samples are sent for assay and sterility testing, the bulk going into tem-porary store until approved for labelling. Tabloid penicillin, when packed, undergoes an additional sterility test at the Wellcome Physiological Research Laboratories, Beck-enham, in accordance with the requirements of the Therapeutic Substances Act, and a similar test, though not required by law, is applied to the Tabloid ophthalmic products.

The hypodermic tablets are now made and sealed against contamination, and the need for sterile conditions of handling is at an end.

Labelling and Inspection

Labelling is done mainly by hand, be-cause the "runs" are not, except for Tabloid penicillin, long enough to justify machine methods. A machine used for penicillin labelling affixes to the phial the "fly" label that has been adopted for all the company's hypodermic tablets. Under this method the label does not totally en-circle the phial but leaves a narrow strip along the glass tube, through which the contents may be submitted to a final in-spection, in which defective products are eliminated and any imperfect sealing de-tected. Rejects are at once taken out of circulation by being put into a container, kept always at hand for the purpose. Full responsibility has to be taken by the checker, whose mark, plus a code number, enables the history of any package to be traced back through every stage of manu-facture. Too much is at stake in the inspec-tion to allow risks to be taken, and the rule is followed that no checker is put on the work without adequate proof of reliability in other departments of production. The writer was given a rejected phial of Tabloid ophthalmic penicillin as a souvenir; the twenty tablets (each containing 250 units and weighing 3 mgm.) were so minute that in the 1-in. tube they occupied altogether no more than one-third of the length. Yet each tiny tablet under a pocket lens was seen to be embossed "Tabloid brand" with as much sharpness and perfection as if it were a 5-gr. aspirin. The defect was a crack in one product, not immediately apparent to an unpractised eye.

Air-conditioning Plant

An upper floor reproduces the layout of the ground floor. A basement floor is prin-cipally devoted to the elaborate machinery needed for preparing the sterile, dry atmo-sphere for delivery at a uniform tempera-ture to the production section, from which it is recirculated in the sterile cabinets after further filtration.

Once again, in taking the very progres-sive step of submitting all its hypodermic preparations to sterile standards of prepara-tion, the company has reaffirmed its policy of seeking pre-eminence in reliability and accuracy, and its bold move will be approved by pharmacists and the medical profession alike.

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INFORMATION WANTED

Information with respect to suppliers of the following items would be appreciated:

Littlejohn drums. Vitaminettes.
Blue Bird velour puffs.

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VOL. CXLVI OCTOBER 12, 1946 NO. 3479

Difficult Times Ahead

THE decision of the Pharmaceutical Society's Council, on the recommendation of its Finance Committee, that the chairman of all Council committees shall attend a special meeting of the Finance Committee in November, in order to consider the estimates for 1947, is, so far as we are aware, an unprecedented step. Considered in the light of the reasons given by Mr. H. M. Hirst for his dissent from a decision of the Council approving certain salary increases, it may be taken as indicating that those most familiar with the Society's financial position are far from happy about the future. The invitation to the other chairmen is in the circumstances a wise one. Not only does it make them fully aware of the facts; it places squarely on the shoulders of all the responsibility for any decisions taken as to (1) expenditure, (2) possible economies, and (3) suggestions, if any, for modifying the Society's activities to meet current capacity as well as current needs. We say "if any" because, while we have no knowledge of what is to be discussed at this private meeting of a Council Committee, it seems clear from the wording of the chairman's invitation (see p. 461) that some such proposals are to be put forward.

It will be recalled that only comparatively recently the decision was taken to advance the annual retention fee to the Statutory maximum. There are thus only two ways of dealing with a difficult situation in the finances of the Society. The first is the promotion of a Bill, involving revisions of the powers given under the Charter and under legislation. It is known that Charter revision is desired in many quarters, but we should be surprised if power to increase the annual cost to pharmacists were among the points on which there was a widespread demand for change.

In the circumstances, therefore, and particularly since any Bill, whatever its provisions, would take time to steer through Parliament, the second alternative presents itself as being in the nature of a Hobson's choice. It is to practise the most stringent economies and to give especial scrutiny to enterprises of the Society which are being run at the present time at considerable expense to members. We hope that the chairmen of the committees, when they attend the special meeting of the Finance Committee, will approach the problems with these considerations strongly in mind.

Honours Degree in Pharmacy

THE establishment of an internal honours degree in pharmacy and a three-year course of study by the University of London (see p. 451), an event which was almost bound to come as a result of the evolutionary changes and specialisation happening in pharmaceutical procedures, will, without doubt, have a powerful influence on the future course and outlook of the profession. Inspection of the syllabuses to be followed during the third year's specialised course reveals that the subjects are to be tackled rationally and academically, and that students should emerge not merely with a comprehensive knowledge of their particular branch of the profession, but with ability to see this in its proper perspective so that they may take the initiative and face up the more confidently to problems which may arise.

Not the least difficult of the students' tasks, however, will be the irrevocable choice of his two specialist subjects, made at, or before, the end of his second year, when he will have had little, if any, experience of what these subjects might mean when translated into practice. Fields of specialisation in pharmacy included, said Professor Berry (Dean of the College of the Pharmaceutical Society) at the official opening of the College recently, research,

analytical control, biological assay, hospital practice, manufacturing, and the pharmacognostical control of crude drugs, and while the new training will doubtless help the right man to get the right job, we feel that may form another step towards the eventual bifurcation of the profession into the academic and the commercial branches. The introduction of pharmaceutical engineering into the syllabus seems, in view of frequent criticisms of the state of chemical engineering in Britain, a particularly welcome step. The University of London having made this positive move towards equating future pharmaceutical skill with the tasks ahead, we may expect perhaps, further revisions in the syllabus of the examination for the Pharmaceutical Chemist diploma, and those of the degrees of other universities, to keep in step with the changing times.

Control of Cattle Tick

THE arsenic-resistant form of the common blue tick, which has hitherto defied all attempts at eradication, has been brought under control by Gammexane, a British insecticide. The common blue tick, which causes immense damage to cattle, acts as a carrier for gall sickness and red water. It has developed an arsenic-resistant strain during the forty years since arsenical dipping first became standard farming practice. Other insects have built up a similar defence against recognised chemical insecticides. The phenomenon was first noticed in connexion with waxy scale insects on citrus trees, which built up resistance even to the strongest doses of cyanide.

Early research on the problem of the blue tick, undertaken at Rhodes University College, Grahamstown, South Africa, showed that continual dipping in arsenical washes only increased the number of arsenic-resistant strains on the cattle. It was in a subsequent search for alternative treatment by entomologists of African Explosives and Chemical Industries, that the success of Gammexane was demonstrated. Large-scale dipping trials proved that three consecutive weekly treatments with dips containing only 50 parts per million of Gammexane rid the cattle of all lice and ticks, which dropped off in hundreds, leaving only a few "seed" ticks. The beasts suffered no ill effects. Oxen were inspanned immediately after treatment, and there was none of the marked drop in milk yield which follows arsenical dipping. These results have been followed by reports of equally successful trials with Gammexane against arsenic-resistant ticks on the cattle ranches of Australia and the Argentine.

Planning a Film Show

NEWS that the Pharmaceutical Society has taken out corporate membership of the Scientific Film Association coincides with the publication of the Association's new "Catalogue of Films of Scientific Interest" (see p. 458). A recent meeting of the Junior Branch of the Manchester Pharmaceutical Association, at which four scientific films were shown, attracted a large audience, and it may be expected that film shows will become an increasingly popular feature at meetings of pharmaceutical organisations. In the past, films have been used to relieve the boredom of minutes, reports and the other humdrum inevitabilities of branch meetings; any film, no matter how poorly produced, or how unsuited to the audience, "made a change." When the novelty wore off, however, members were likely to remember that a shilling or two would purchase three hours of efficient film entertainment at the local cinema, with no minutes or memoranda at all to intrude. Badly made or unsuitable films are likely, in the long run, to detract from, not enhance, the interest and usefulness of pharmaceutical meetings. To be of real and lasting value, a show of scientific films should be planned as an integral part of an evening's programme. The type of audience must be borne in mind when selecting the film, and where necessary, arrangements should be made for a speaker with specialised knowledge to explain and augment the film, and to adapt its message to the particular needs of the audience. Such planning is simplified by careful study of the new catalogue of the Scientific Film Association, which has endeavoured in this new publication to provide the necessary information on which to base an appropriate choice of scientific films.

CONFERENCE ON INDUSTRIAL DESIGN

In connexion with the "Britain Can Make It" exhibition, a conference on industrial design was held in London on September 26 and 27, organised jointly by the Council of Industrial Design and the Federation of British Industries. The Council of Industrial Design was set up in December 1944 by the President of the Board of Trade "to promote by all possible means the improvement of design in the products of British Industry."

Appearance Influences Sales

Mr. John Ryan, editor of "Scope," said that the biggest factor influencing sales was the appearance of the goods. The trend of design should be towards making goods sell themselves. Retailers would favour products which made their work lighter. Designers should not be afraid to use colour, and should supply packages that could be stacked easily and recognised quickly on the retailers' shelves. Many articles were winning sales through being sold in smaller units, and in handier sizes more suited to the average purse.

"One of the sales costs that many firms would like to avoid," said Mr. Ryan, "is the heavy expenditure on counter displays and sales aids. A firm selling lipsticks paid over five pounds apiece for a handsome chromium display-stand on which to show off its different shades. It distributed 7,000 of these elaborate sets. It secured them the dominating position on most chemists' counters, but when envious rivals started to do the same, many a firm must have wished this sort of thing had never been started; yet they all claimed that these devices did increase their sales. I suggest that often the same effects can be secured by more ingenuity on the part of the artist and less lavish use of materials. The French are adepts at this. A piece of ribbon, a piece of Cellophane, a touch of paint, and you have a masterpiece labelled 'Paris.' That lightness of touch is something which necessity may force us to learn."

Afraid of Colour

Mr. E. Richardson (Boots Pure Drug Co., Ltd.) said that a well-designed package should be satisfactory in all six stages of its life: (1) flowing through the production machinery; (2) on the shelves of the warehouse; (3) being transported by road or rail; (4) in the stockroom of the shop; (5) on display in the window or on the counter; (6) in actual use in the home. The dull climate and the influence of schools, where grey clothing was usually insisted upon, combined to make the British people afraid of colour. Mr. Richardson emphasised his point by drawing the attention of the delegates to the drabness of their own clothing. Dark greys, blues and black were the colours most favoured. Mr. Richardson had found the Swiss and the Americans much more daring in their use of colour. British schools should inculcate a love of colour among the children, and eliminate drabness.

Mr. A. W. Richardson (Kodak, Ltd.) said more attention should be paid to methods of packing goods for transport. He quoted an instance of a piece of apparatus supplied from abroad before the war. It was so designed that it could be unpacked and completely assembled with one screwdriver. Good design should be similarly applied in Britain. The cost of having packing cases planed smooth was worthwhile if the risk of splinters during unpacking was eliminated.

Mr. J. Ryan (Metal Box Co., Ltd.) said many designs for packages were unsatisfactory as they did not take into account the technical requirements of the medium. Manufacturers designing new packs should work in co-operation with the actual makers of the packages to ensure satisfactory results. The war-time development of colour photography added immense possibilities to the use of colour in package designs.

Art in the Home

Mr. H. A. Holmes (chairman and managing director, Selfridge's, Ltd.) said utilitarian goods should be simple, efficient, and therefore attractive. Decorative goods should be both in good taste and appropriate to the mood of the moment.

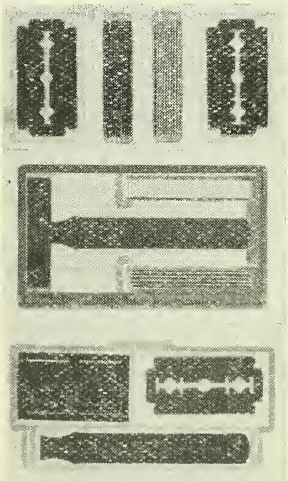
Summing up the conference, Sir Charles Tennyson, C.M.G. (Dunlop Rubber Co., Ltd.) said improvement in industrial design required from the consumer, as well as from the producer and distributor, an instinctive interest in and appreciation of good design which could result only from a properly directed and developed natural culture.

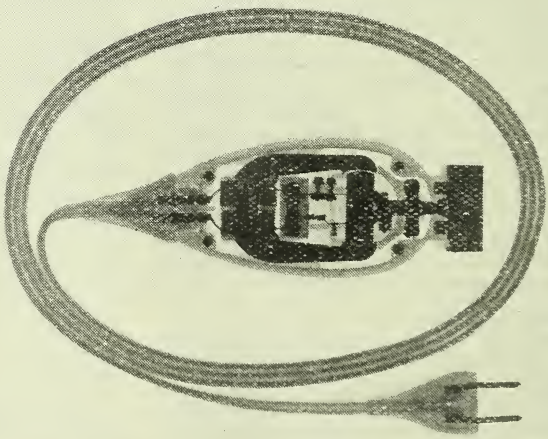
"We must avoid being misled by the propaganda of American design consultants," said Sir Charles, "into thinking that design is an engineering function and consists in veiling refrigerators and wireless sets in the decent obscurity of light alloys or laminated plywood, or putting strait-waistcoats on crazy-looking machines. We want

to bring into the service of industry the best artistic abilities of the nation, so that artists can extend their influence beyond the walls of galleries and museums, and reach the homes and lives of the people, as they have not done since the Reformation. It is only by such means that we can create a school of design which will be a true expression of our national spirit and a hall-mark for British goods all over the world. A mere copying or adaptation of other people's ideas can never be more than a poor second best. I feel that the stage is set for a revival of British art, craft and design. I hope that this conference may prove an important step in this revival, which must be of incalculable benefit in the economic and social development of our country."

ROYAL PHOTOGRAPHIC SOCIETY'S EXHIBITION

In the ninety-first annual exhibition of the Royal Photographic Society, now being held at the Science Museum, Kensington, London, S.W.7, are more than a thousand exhibits representing the work of photographers from twenty-one different countries, and including prints in monochrome and colour, transparencies, lantern slides, stereoscopic prints and transparencies. The scientific section illustrates strikingly the close working alliance between science and photography; it includes pictures of molecules photographed by *x*-ray diffraction methods with a magnification of approximately 250 million and photomicrographs of crystals of quinine sulphate, salicin and potassium chlorate. Radiographs include prints of packed razor sets and cartons of blades, taken to ensure that the edges of the blades were not being injured by packing. The technique of thyroidectomy is illustrated in a series of twelve prints, an anthrax patient is portrayed both before and after treatment, and actual stages during a sciatic nerve operation are illustrated. Other subjects of medical or surgical interest include cancerous conditions of the mouth, post-operative spreading necrosis of the abdominal wall, an ulcerated heart valve, a gunshot wound of the face (colour print) and a series of photographs showing the construction of an acrylic denture. A series of electron-micrograms exhibited by the University of Leeds Department of Biomolecular Structure includes an unknown bacillus showing spiral form assumed by the surface, a bacillus of genus *pseudomonas* showing minotrichate flagellum, and a bacterial flagellum showing approximate sinusoidal form. The exhibition will remain open until October 26. Admission is free.





RADIOGRAPHS AT AN EXHIBITION.—X-ray photographs of razor sets packed in plastic boxes, with cartons of blades, and an electric dry shaver, prepared by the research department of Gillette Industries, Ltd., London, and shown at the R.P.S. exhibiton.

AN OPEN LETTER TO DR. CLITHEROW, M.P.

From Mr. G. A. Mallinson, M.P.S., Barrister-at-Law (Secretary, National Pharmaceutical Union)

Dear Clitherow,—I have been reading the Press reports of speeches you are making regarding the formation of a "craft" union in pharmacy, and it is necessary in my opinion to write this open letter to you for the information of pharmacists.

You appear to base your claim for a "craft" organisation on the hope of backing from the Trades Union Congress, but just now the smaller craft unions are being squeezed out by the big unions, and the T.U.C. is doing nothing about it.

You quote the Medical Practitioners' Union as an illustration of the benefits of being a craft union, but that has been in existence over thirty years and even now its membership would be over-estimated at one in eight of all registered practitioners. The British Medical Association is still the supreme body with which the Minister of Health negotiates. It will be the same in pharmacy: the Minister must deal with that body which can speak for an overwhelming majority of practitioners.

I understand you maintain that the Joint Committee established by the Pharmaceutical Society and the N.P.U. to deal with National Health Service matters is not legally constituted, and cannot, therefore, be regarded as having the right to act on behalf of pharmacy. May I correct any misconception you may be under—it is in perfect legal order and has certainly brought together a group of organisations representing every phase of pharmacy. The Minister of Health fully recognises the authoritative nature of the existing Joint Committee, and has conducted his negotiations with that Committee up to the present time. He is no more likely to switch from the Joint Committee to a new body than he has been ready to switch from the B.M.A. to the Medical Practitioners' Union. What can your new body do or say that cannot be said or done much better either by the Society, the N.P.U. or the Joint Committee? You bring nothing new before pharmacists because the Society is a craft organisation if ever there was one, and it is a "closed shop" so dear to trade unionists.

Your action in starting this campaign just now I regard as likely to do harm to the cause of pharmacy. The N.P.U. and other organisations each surrendered their special claims to be the paramount body in the N.H.S. negotiations in order that pharmacy could negotiate with a united front. You are now creating disunity, because any members you get are already covered by the other organisations which have united together in the Joint Committee. If the combined experience of the leaders of these established organisations cannot produce results, how can a new body with inexperienced leaders achieve anything on its own? You are providing the opportunity for your organisation to be played off against the others; this can only lead to unsatisfactory results being imposed upon pharmacists.

There is a point I think you overlooked when you quoted the statement of the Lord Privy Seal (Mr. Arthur Greenwood) that the Minister intended to use the machinery of discussion and negotiation with employees; that machinery is at the present time in existence. The Joint Industrial Council for Retail Pharmacy is fully representative of both employers and employees; it can deal with and discuss every question affecting retail pharmacy. The Minister of Labour, if he thinks it desirable, can extend the definition of retail pharmacy to include all places where dispensing is done under the National Health Service. We do not need, therefore, a new body for the purpose.

Summing up, may I add that it grieves me to feel compelled to oppose the wishes of one who, like yourself, has been a loyal supporter of the N.P.U., and I should not intervene if I did not feel the best interests of pharmacy were involved.

London, W.C.1. G. A. Mallinson.

Hair-curl Chemistry. — Stanzas from verses by Lucio in the "Manchester Guardian":—

Whenas in curls my Julia goes
I wonder what each ringlet owes
To tricks the chemist now bestows?

They say his art can rearrange
The structure of the tress and change
Its base to something new and strange.

Its sulphur-cystine content takes
Forms that outlast all earlier fakes;
Wave after wave in glory breaks.

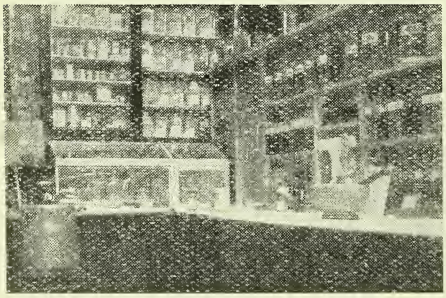
Risking retorts that blaze and blister,
Dare one send down a new-style twister
With "How's your sulphur-cystine, Sister?"

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

To Refitting Dispensary . . . 2d.

SIR,—With prospects of increased dispensing in the near future, and faced by present difficulties of getting trade shopfitters to make alterations owing to labour and material shortages which appear to be of some years' duration, there must be many pharmacists who would derive encouragement and inspiration to attempt alterations such as those carried out at the business of Marks & Son, Clevedon (see *C. & D.*, September 28, p. 403). The help of a more practical-minded friend or local handyman can often be enlisted and I hope you will continue such examples when possible. The mention of fluorescent lighting in your account of the changes in Messrs. Marks's premises prompts me to say that, after experiencing the benefit of this method of lighting, I would not return to ordinary incandescent lamps. A point of immediate value here is that any such cuts in electricity as happened recently and are promised for the winter extinguish the new type, as full pressure is needed, and alternative emergency lighting should be left *in situ* and not removed when refitting.



The enclosed photograph, although not doing—I think—justice to the alterations here, may be of interest in showing what can be done in a smallish space without any structural alterations. My pardonable pride in sending the photograph arises from the fact that the altered dispensary was made and fitted in what spare time has been available in a single-handed business, and also that the total cash cost was twopence! The materials were salvaged from spare floor boards, ex-blackout fittings and sides of tea chests, plus a "discovery" of stocks of pre-war paint oddments. The cost of twopence was incurred because I ran out of sandpaper for finishing the surfaces. Perhaps expert wide-angle photography might have given a better showing of the results but most proprietor pharmacists will be able to visualise the nature of the improvements.

Yours faithfully,

London, E.8. G. GEYMAN.

Registered Pharmacists' Union

SIR,—I consider your editorial (*C. & D.*, October 5, p. 429) most unkind and deliberately contentious. As Dr. Clitherow made it clear to supporters at the meeting, there is no time to lose. The organisation must be formed; the appeal to the intelligence and imagination of pharmacists throughout the country will be made, rest assured of that, and if there is anything they wish altered or enlarged they will be given that opportunity. I know it is customary in pharmaceutical circles to think of an idea today, think about it again tomorrow, go into a trance for two years at least (remember that a meeting of members of the Pharmaceutical Society was assured two years ago that something was going to be done about bringing the Charter up-to-date) and then perhaps do something about it. In Dr. Clitherow, pharmacy has found a man who means business and who is not going to be humbugged by loose talk of "democratic" procedure. He is the best judge of what is democratic—and he has a team of workers who have no other desire than to bring about this renaissance in their profession. That their election (even only until next February) will be anything but a sinecure your editorial shows. Your reference to names of unsuccessful candidates appearing as members of the temporary executive is most unkind. After all, they cannot be blamed for the fact that 75 per cent. of the membership of the Society is not interested in the Society (and who can blame them?). But at least 50 per cent. of those who do vote have shown their confidence in these men. The opportunity for every pharmacist in the country to decide whether the R.P.U. can achieve that which every other pharmaceutical organisation has failed to do will soon be made. That, sir, is true democracy. Any meeting held in London could only represent the views of those able to attend.

Yours faithfully,

Edgware. J. ROSS-MANSELL.

OVERSEAS TRADE NEWS

Southern Rhodesian Customs Duty.—he list of goods subject to rebate of Cus- ms duty when used for manufacturing urposes has been amended. Dips, disin- ctants and insecticides; extracts of per- umery and oil derivatives, are included.

Exports from Indo-China.—The Lon- on Chamber of Commerce has been in- ormed that the possibilities of exporting om Indo-China at the present time are ery slight. The colony's principle pro- ucts are still controlled by the French overnment, but there are small stocks vailable of secondary products, such as pices, gums and essences. The Syndicat es Exportateurs Français d'Indochine, 25 ue Général Foy, Paris, has been requested o give all possible information which would acilitate the renewal of exports to British arkets.

Tunisia's Export Products.—Prior to he war the main Tunisian export was olive il, and with the proposed development of he industry the value of this export is likely o increase. In the past much of the ex- ortable oil was shipped to Italy where it as refined and re-exported in tins or ottles. Tunisia now hopes to establish its wn refining industry and export oil to orld markets under its own trade names. econdary products of this French Protec- orate which may find an outlet, are herbs or pharmaceutical purposes, cork, goat and amel hair, fluorspar, strontium sulphate nd bromine.

Spanish Edible Oil Substitutes.—Owing o the existing shortage of olive oil in Spain, nd the resultant high prices, Spanish anufacturers are experimenting with azelnut and almond oil with a view to pro- ducing a substitute material. Many far- ers in Catalina have applied for permis- ion to erect small factories for the manu- facture of such oils. While almond oil, owing to its poor quality and high price, as not been able to compete so far with olive oil, it is hoped that in the course of experiments some useful edible oils may be developed.

U.S. Castor-bean Price Increased.—From September 18, castor-bean maximum prices in the United States are raised to $165 per long ton, c.i.f. U.S. Atlantic or Gulf ports, and to $167.18 per long ton Pacific coast ports. Castor oil No. 1 is increased to 16.35 cents per lb., first U.S. port of arrival; No. 3 to 16.05 cents per lb., and dehydrated boiled castor oil to 26.39 cents per lb. New York traders point out that Brazil is demanding $175, f.o.b. Brazil, for castor-beans, and is at present not offering castor oil, while Argentine is asking 27¾ cents per lb., f.o.b. Buenos Aires, for No. 1 castor oil.

U.S. Fats and Oils Market.—According to a recent New York report, offerings of major edible vegetable oils have not broadened materially since the increases in maximum prices. Offerings of linseed oil have again been withdrawn, and the supply situation is very tight. Canada has allocated about two million pounds of linseed oil to the United States, and it is predicted that the United States, and probably Britain, would be eager to absorb any oils allocated from Argentina.

U.S. Vanilla Bean Quota. — Reuter reports that the U.S. quota of Madagascar vanilla beans may be reduced as a result of a recent announcement by the French Colonial Ministry to the effect that a greater tonnage of this product must go to metropolitan France. Prices are also considered likely to rise. Negotiations for the establishment of a new allocation for the U.S. have been under way and results were to be announced before the end of October. The French Empire is the source of about 85 per cent. of the world's vanilla bean supplies, with Mexico the next largest producer. U.S. purchasers, however, state that prices of the Mexican material are too high. Curers are expected to commence their purchases of the new crop of green beans shortly, but these will not be ready for shipment before next spring.

Swiss-Bulgarian Trade Talks Soon.—A Swiss trade delegation is soon to open talks in Sofia with Bulgarian interests, with a view to arranging for commercial exchange between the two countries. Among the products of interest to Bulgaria are Swiss pharmaceuticals and aniline dyes. Switzerland is interested in importing Bulgarian rose essence and medicinal plants, of which Bulgaria could deliver large quantities. Bulgarian commercial circles are of the opinion that Switzerland will be called upon to replace Germany on the Balkan markets. Germany supplied three-quarters of the Balkan's requirements of industrial goods. They hope that an agreement will be reached with Switzerland. The main problem at present is the price question, but there is general optimism that this will be settled to mutual satisfaction.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade

28 Essex Street, W.C.2, October 9

LITTLE has occurred in the London markets during the past week to disturb the steady conditions that have recently characterised business in CRUDE DRUGS and FINE CHEMICALS. A few minor adjustments have been made in the prices of several of the former products, but the extent of the changes is without effect on the general price picture. While the home trade remains quiet owing to the shortage of some seasonal drugs, the export side of the business continues to show considerable promise. Prices of CHLORAL HYDRATE have been advanced by threepence per lb.

Crude Drugs

Quiet conditions still prevail with only small departures from the price range quoted during recent weeks. There is no news of supplies of AGAR from Far Eastern sources, but inquiry continues to be received for this product. BALSAM OF COPAIBA and BALSAM OF TOLU are still unobtainable. Reports show that BENZOIN of good quality is near at hand, and a steady business is being done at unchanged rates. The demand for BUCHU is good and short-rounds are offering at a slightly easier figure. The supply of CAMPHOR in slabs of 2½ lb. has been exhausted, but some 1 oz. tablets and powder are available. Business in CARDAMOMS is at a low ebb, with prices of all varieties unchanged. CASCARILLA QUILLS are selling at a slightly easier figure, but business in this item is unimportant. Somewhat easier conditions obtain for DIGITALIS LEAVES both for foreign and home-grown varieties. ERGOT is a quiet market, with the price tending downwards. GALBANUM is slightly dearer on the spot, but good-quality MASTIC is cheaper. Prices of some varieties of ORANGE PEEL are easier and the demand is reported to be good. Business in SENEGA is quiet, with a firmer price obtaining. Alexandrian SENNA PODS of good quality are near at hand, and a consignment of SQUILL is expected to arrive at an early date.

Essential and Expressed Oils

Business in these items remains quiet with small lots of the decontrolled ESSENTIAL OILS changing hands at the prices indicated. No further changes have been announced in the prices of FIXED OILS.

U.S. Drug and Chemical Report

New York, October 4

CONTINUED shortages and high prices quoted by resellers are serving to keep new business in industrial chemicals in the U.S. at a low level; the reduction in demand by many major consumers has so far been insufficient to offset substantially the tight position of a long list of materials. The tightness of most coal tar products is reflected in reduced output of many intermediates which are themselves in great demand for the manufacture of organics and dyestuffs. NAPHTHALENE, PHENOL and CRESYLIC ACID are most difficult to locate in any quantity although a moderate supply of BENZOL (90 per cent.) is reported. Lower basic material costs have brought the quotations on TARTRATES down between three and eight cents per lb. this week; competitive conditions are forming in these materials and it is expected that imported products will become even cheaper. Meanwhile, ACETIC ACID has moved into a tighter supply position.

According to trade reports, Italy and Spain have agreed to a firm pricing policy for MERCURY and with the steady decline in U.S. production, an early and decided strengthening of the market is forecast. Metal of Spanish or Italian origin is now quoted at $80 per flask, f.o.b. port of shipment, whereas Italian metal had previously been available at $73 to $74 per flask, according to the "Journal of Commerce". The downward trend of prices over recent months has occasioned only limited offerings from domestic mines.

MENTHOL displays a somewhat firmer tone and quotations have advanced approximately 10 cents per lb. A considerable quantity of material is reported afloat from China but details are at present lacking. CAMPHOR continues strong with the spot market virtually bare of supplies with the exception of a small quantity of Japanese material.

GLYCERIN has moved into a still more acute position; a large proportion of total glycerin supplies is normally obtained from the fat by-product of slaughtering houses, but with their seriously reduced operations, a major source of supply is virtually shut off. Glycerin is also obtained from fat recovered in the manufacture of soap, and

ith the good prospects of a further allocation of 50,000,000 lb. of COCONUT OIL to e soap industry, some relief to the present tuation is expected.

The French Colonial Ministry in Paris s proposed that a quota of 1,322,276 lb. VANILLA BEANS be established for the .S. to cover the period October 1, 1946 December 31, 1947, it is officially nounced. At least one-third of this quota to be shipped from France. The 1946-47 anilla bean output in Madagascar, which roduces about two-thirds of the world crop nd supplies the bulk of U.S. imports, is recast at 1,100,000 lb. compared with 92,000 lb. produced last year. Demand r GUM ACACIA has not been large enough absorb the steady inflow of material from ort Sudan and some slight shading of price expected. New crop LARKSPUR SEED is ow available on the domestic market at rices around 10 cents per lb. lower than e old material. New crop LYCOPODIUM ill be ready for delivery about the end of ctober and dealers are already accepting rders; present supplies are very small. No RROWROOT is available on spot and the uotation is virtually nominal.

Domestic and imported ESSENTIAL OILS sed in the manufacture of perfume are no onger under price control, according to okesmen of the Office of Price Administration and of the Department of Agriulture. Domestic oils were automatically econtrolled by the Secretary of Agriculture arly this month and a U.S.D.A. official tated that while only SPEARMINT and EPPERMINT were specifically listed among ils not found in short supply on August 1, it was intended that decontrol apply to ll domestic oils regardless of their end use. mported essential oils for perfumery manuacture were decontrolled on September 25. This announcement is expected to occasion further upward price movement in many omestic oils. Spearmint oil dealers have ut prices up still further and are reported n some quarters to be requiring acceptance f peppermint oil as a condition of sale. MUSK XYLOL and CYCLAMEN ALDEHYDE re among the few aromatic chemicals not n very short supply.

Pharmaceutical Chemicals

ACETANILIDE.—Makers' prices are 2s. 5d. per lb. for powder, and 2s. 6d. for crystals.

AMPHETAMINE. — Makers' price unchanged at 150s. per lb.

ASPIRIN.—Prices in the home market remain steady; quotations per lb., in quantities of 28-lb. to 1-cwt. are (containers in brackets): 4s. 1½d. (1-lb.); 4s. (4-lb.); 3s. 11d. (7-lb.); 3s. 10½d. (14-lb.); 3s. 9½d. (28-lb.).

ASPIRIN TABLETS.—Makers quote bulk supplies per 1,000 as follows: Under 5,000, 3s. 6d.; 5,000 and over, 3s. 4d.; 10,000, 3s. 3d.; 25,000, 3s. 1d.; 50,000, 3s.; 100,000, 2s. 11d.; 250,000, 2s. 10½d.; 500,000, 2s. 10d.; 1,000,000, 2s. 9d.

CHLORAL HYDRATE.—Prices have been advanced by 3d. per lb. New rates are: 28 lb., 4s. 5d.; 14 lb., 4s. 9d.; 7 lb., 5s., less, 5s. 6d.

ETHYLMORPHINE.—Prices per oz. in the home market are as follows: PURE, ½ oz., 57s. 6d.; 1 oz., 55s.; 2 oz., 53s. 6d.; 3 oz., 52s. 9d.; 4 oz., 52s. 6d. HYDROCHLORIDE, ½ oz., 49s.; 1 oz., 46s. 6d.; 2 oz., 45s.; 3 oz., 44s. 3d.; 4 oz., 44s.

GLUCOSE.—Powdered monohydrate for the home trade is quoted as follows: 14 lb.-28 lb., in 14-lb. lots., 11¾d. per lb.; 28 lb.-112 lb., in 14-lb. lots, 11½d.; 28-lb., 10¼d.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gram in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d.; (4s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE.—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

IODINE PREPARATIONS.—Current rates per lb. are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s. 6d.; 28 lb., 10s.; 14 lb., 10s. 6½d.; 7 lb., 12s. 0½d.; 4 lb., 12s. 6½d.; smaller quantities, 13s. per lb. SODIUM IODIDE, B.P.—28 lb., 10s. 5d.; 14 lb., 10s. 11½d.; 7 lb., 12s. 8½d.; 4 lb., 13s. 4½d.; smaller quantities, 14s. 2d.. IODOFORM, B.P. —28 lb., 13s. 7d.; 14 lb., 14s. 1½d.; 7 lb., 16s. 3½d.; 4 lb., 17s. 1½d.; smaller quantities, 17s. 11d. IODOFORM CRYSTALS, 2s. per lb. above powder prices. IODINE RESUBLIMED, B.P.—112 lb., 10s. 11d.; 28 lb., 11s. 5d.; 14 lb., 11s. 11½d.; 7 lb., 13s. 9½d.; 4 lb., 14s. 4½d.; smaller quantities, 15s. 10d.

LACTATES. — Prices unchanged, as follows: LACTIC ACID.—Six-winchester lots, 3s. per lb.; smaller quantities, 3s. 1d. CALCIUM LACTATE. — Small quantities, 2s. 5d. per lb. CALCIUM SODIUM LACTATE. —Powder, small lots, 3s. 7d. per lb.; 14 lb., 3s. 4d.; 28 lb., 3s. 2d.; granular, one penny per lb. extra.

MANDELIC ACID.—Prices are steady and are as follows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

METHYL SALICYLATE.—In fair supply. Smalls are quoted at 2s. 6d. per lb.; winchesters at 2s. 1½d.; 56 lb., in demijohns, 2s.; 1 cwt., in demijohns or carboys, 1s. 11½d.; 5 cwt., 1s. 11d. All prices net.

MORPHINE.—Quotations per oz. are as follows: PURE, ½ oz., 55s. 3d.; 1 oz., 52s. 9d.; 2 oz., 51s. 3d.; 3 oz., 50s. 6d.; 4 oz., 50s. 3d. HYDROCHLORIDE, ½ oz., 46s. 9d.; 1 oz., 44s. 3d.; 2 oz., 42s. 9d.; 3 oz., 42s.; 4 oz., 41s. 9d. BIMECONATE AND TARTRATE, as PURE; ACETATE, HYDROBROMIDE and SULPHATE, as HYDROCHLORIDE.

PHENOLPHTHALEIN. — Rates are unchanged and are as follows: 1 cwt., 4s. 10d. per lb.; 28 lb., 5s.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.

POTASSIUM PERMANGANATE. — Current rates are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over, 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over, 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 ton and over, 156s. 9d.; 4 tons and over, 154s. 3d. TECHNICAL (in 5-cwt. drums), 5-cwt. and over, 156s. 9d. per cwt.; 1 ton and over, 154s. 3d.; 4 tons and over, 152s. Terms net, carriage paid to nearest station, containers extra and returnable.

PULV. BISMUTH. CO., N.F.—Prices per lb. in the home market, in quantities of 28 lb.-112 lb., are as follows (containers in brackets): 2s. 9d. (1-lb.); 2s. 8d. (2-lb.); 2s. 7½d. (4-lb.); 2s. 6½d. (7-lb.); 2s. 6d. (14-lb.); 2s. 5d. (28-lb.).

SANTONIN.—Prices are as follows: 5 kilos, £44 per kilo; less than 5 kilos, £45; 1 kilo, £46; half-kilo, £47; quarter kilo, £48 per kilo, carriage paid in U.K.

THEOBROMINE.—Prices per lb., in quantities of 28 lb., are as follows: ALKALOID, B.P.C., 30s. 6d.; CALCIUM SALICYLATE, 19s. 3d.; SODIUM SALICYLATE, 19s. 3d.

VANILLIN.—Quotations are as follows: 5-cwt., 22s.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller parcels, up to 23s. 6d. per lb., as to quantity.

Crude Drugs

AGAR.—There is a good inquiry for this product. The controlled price remains at 30s. per lb.

ALOES.—Curaçao, in limited supply, is available at from 270s. to 290s. per cwt., on the spot; forward, 250s., c.i.f. Cape is unobtainable on the spot and is scarce at source.

ANTIMONY. — Demand continues to b good at the official price of £132 10s. pe ton, delivered, for minimum 99.6 per cent regulus, £120 for minimum 99 per cent regulus, and £105 for 70 per cent. crude.

ARECA NUTS.—Quotations are steady a 65s. per cwt., on the spot; shipment, 55s. c.i.f.

BALSAMS.—*Canada* is offering on th spot at 14s. 9d. per lb. *Peru*, from 8s. t 8s. 3d., duty paid; in bond, 7s. 6d.

BENZOIN.—Sumatra material, of goo quality, near at hand, is offered at £25 pe cwt.

BISMUTH.—High-grade metal is quote at 9s. per lb., in minimum quantities o 5 cwt.

BUCHU LEAVES.—The market is quie and prices are steady. Short-rounds ar offered on the spot at 4s. 6d. per lb.

CAMPHOR.—Supplies of the slab materia are now exhausted. Chinese tablets (1 oz. are quoted at 11s. per lb.; Chinese powde at 10s. 9d.

CAPSICUMS. — East African, on stalk, continue to be offered at 140s. per cwt., on the spot.

CARDAMOMS.—Market is very quiet with little to report. Aleppy seeds, spot, 8s. per lb.; Mangalore A's, 9s. per lb.; Mangalore B's, 8s. 6d.

CASCARA SAGRADA.—Quoted on the spot at 280s. per cwt., landed, duty paid.

CASCARILLA.—Quills are steady at 2s. 8d. to 2s. 9d. per lb., on the spot. No siftings are available.

CHAULMOOGRA.—*Hydnocarpus* is steady at 2s. per lb., in tins in cases.

CINNAMON.—Market steady with prices unchanged. Quillings, 3s. 3d. per lb.; chips, from 1s. 11d. to 2s. per lb., ex store.

COCHINEAL. — Market is quiet at unchanged prices. Silver greys are quoted at 5s. 6d. per lb., and blacks at 5s. 9d.

COCONUT (DESICCATED).—The maximum controlled price remains at 74s. 8d. per cwt., ex store.

COLOCYNTH.—White pulp of good quality is offered at 2s. 9d. per lb.

DIGITALIS LEAVES.—A slightly easier tendency is indicated. Portuguese, 130s. per cwt., on the spot; English-grown, from 2s. 3d. to 2s. 6d. per lb.

ERGOT.—Business is quiet. Some fair material is offered on the spot at 6s. 6d. per lb.

GALBANUM.—Spot quotations are tending arer at 8s. 6d. per lb., duty paid.

GINGER.—Jamaica No. 1, 130s. per cwt.; . 2, 110s.; No. 3, 105s.; No. 3, c.i.f., .; African, 82s. 6d., on the spot.

GUM ACACIA.—Kordofan cleaned sorts offered at 76s. per cwt., London; 74s., erpool; shipment, 73s., c.i.f. Talha, aned, 45s., spot; 42s. 6d., c.i.f.

GUM MASTIC.—A fair supply of No. 1 n is offering. Spot price is now at 18s. lb.

JALAP.—Vera Cruz material, testing 12.4 cent. resin, to arrive, is offered at 3s. 6d. lb.

KAMALA.—In fair supply at 3s. per lb., ded.

MENTHOL.—Brazil is steady on the spot 45s. per lb., duty paid; Chinese, spot, s.; afloat, 47s. 6d. per lb., landed, duty id.

MERCURY.—Price unchanged at from o to £31 5s. per flask.

MYRRH.—Steady on the spot at from £14 £16 per cwt., according to quality.

NUTMEGS. — Prices nominal. West Inan 80's, 5s. per lb.; sound unassorted, 9d.; wormy and broken, 4s. 6d.

NUX VOMICA.—Mangalore is steady on ot at 40s. per cwt.; Madras, from 40s. to s. 6d.; Cochin, 47s. 6d.

ORANGE PEEL.—Prices of Spanish quarrs are slightly easier at 2s. 3d. per lb.; eet ribbon, 2s. Fine-cut Tripoli, spot, 9d. to 4s. 10½d. per lb., nominal.

PAPAIN.—East African is steady at 23s. r lb., on the spot.

PIMENTO.—Easier on the spot at 1s. 0½d. r lb., sellers; shipment, unchanged at 2s. 6d. per cwt., c.i.f., buyers' licence.

QUASSIA.—Price unchanged at 35s. per vt., on the spot.

QUILLAIA.—Prices of natural bark range om 120s. to 125s. per cwt., spot; cut, 150s. r cwt., ex store.

RHUBARB.—Good quality material is uoted from 12s. 6d. to 13s. per lb. Comon-round, with a two-thirds pinky fracure, is offered at from 11s. to 12s. 6d. here is some wormy material quoted at s. 6d. per lb.

SENEGA.—Canadian root is firmer and is uoted at 14s. 9d. per lb., landed London.

SQUILL.—Medium-white material expected soon; price is nominal at 65s. per cwt.

STRAMONIUM.—Indian, steady on the ot at 80s. per cwt.

Essential Oils

BAY.—West Indian is available on the spot at 11s. 6d. per lb.

CLOVE.—English-distilled bud oil, complying with B.P. specifications, is quoted at from 12s. to 13s. per lb., according to quantity.

CORIANDER.—English-distilled oil of B.P. quality would be worth 18os. per lb.

GERANIUM.—Bourbon oil is offered at 95s. per lb.

GINGER.—This oil is quoted at from 100s. to 125s. per lb., according to quality.

LAVENDER.—French oil, containing from 40 to 42 per cent. esters, is quoted at 67s. 6d. per lb. Spanish (spike) oil is priced at 16s. per lb.

LEMONGRASS.—Quotations for this oil are in the region of 20s. to 21s. per lb.

LIME.—West Indian distilled oil is quoted at 35s. per lb.

NUTMEG.—English-distilled oil is scarce. Quotations are nominal at 65s. per lb.

ORIGANUM.—Quotations for this oil are in the vicinity of 21s. per lb.

PIMENTO BERRY.—Some English-distilled oil of B.P.C. quality is offered at 50s. per lb., on the spot.

ROSEMARY.—Spanish oil is quoted from 10s. 6d. to 11s. 6d. per lb.

SASSAFRAS.—Oil from Brazilian sources is offering at 6s. 6d. per lb.

THYME.—Red oil (40 per cent. phenols) is quoted at 21s. on the spot.

Synthetics and Isolates.—Many of these products remain in short supply and are not necessarily available because prices are quoted: AMYL ACETATE.—Pure, 122s. per cwt. AMYL SALICYLATE.—About 4s. 6d. per lb. BENZYL ACETATE.—4s. per lb. BENZYL ALCOHOL.—4s. per lb. BROMSTYROL.—40s. per lb., for 100 per cent. BUTYRIC ACID.—About 7s. 6d. per lb. ETHYL BUTYRATE.—9s. per lb. CINNAMIC ALDEHYDE.—About 9s. per lb. CITRAL.—Chemically pure, in the region of 65s. per lb. CITRONELLOL.—Nominal prices range from 60s. to 70s. per lb. COUMARIN.—Quoted at approximately 17s. 6d. per lb. ETHYL PHTHALATE.—2s. per lb. EUCALYPTOL.—About 13s. per lb. EUGENOL.—About 18s. 6d. per lb. GERANIOL.—Ex Ceylon, from 40s. to 45s. per lb. GERANYL ACETATE.—Approximately 85s. per lb. IONONE.—100 per cent., 100s. per lb. ISOEUGENOL.—22s. per lb. RHODINOL.—255s. per lb.

COMING EVENTS

Sunday, October 13

LONDON BRANCH, CATHOLIC PHARMACEUTICAL GUILD, St. Anne's Catholic Settlement, Vauxhall, London, S.W.1, at 3 p.m. Monthly meeting.

Tuesday, October 15

WOLVERHAMPTON CHEMISTS' ASSOCIATION AND BRANCH, Povey's Café, Victoria Street, Wolverhampton, at 7.30 p.m. Mr. A. L. Bacharach, M.A., on "Penicillin."

BRIGHTON BRANCH, PHARMACEUTICAL SOCIETY, Union Church Institute Hall, Queen's Square, Brighton, at 7.30 p.m. Dr. F. J. Dyer, Ph.D., B.Sc., Ph.C., on "Twenty Years of Pharmacological Research."

Wednesday, October 16

LIVERPOOL CHEMISTS' ASSOCIATION, Reece's, Liverpool. Dinner and dance, 7.30 p.m. to 12.

LIVERPOOL SECTION, BRITISH ASSOCIATION OF CHEMISTS and ASSOCIATION OF SCIENTIFIC WORKERS, Stork Hotel, Queen Square, Liverpool, at 6.45 p.m. Conference on "Salaries and Working Conditions in Chemical Industry."

WEST HAM AND EASTERN DISTRICT ASSOCIATION OF PHARMACISTS AND BRANCH, William McGuffie School Hall, Greenleaf Road, Walthamstow, London, E.17, at 7.45 p.m. Mr. F. Dallow on "The Small-scale Manufacture of Cosmetics and Perfumes."

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, Institute of Accountants and Actuaries, 220 St. Vincent Street, Glasgow, at 7.30 p.m. Mr. B. A. Bull, Ph.C., on "The Changing Face of Pharmacy."

PHARMACY DEPARTMENT, MANCHESTER UNIVERSITY, at 3 p.m. Speech day and presentation of prizes. Addresses by Messrs. G. R. Knox Mawer (president, Pharmaceutical Society) and J. R. Walmsley (president, Manchester Pharmaceutical Association).

SCARBOROUGH BRANCH, PHARMACEUTICAL SOCIETY, Laverack's Pharmacy, Market Place, Malton, at 7 p.m. Mr. H. M. Hirst, M.P.S. (a member of Council, Pharmaceutical Society), on "Current Problems in Pharmacy."

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION AND BRANCH. Members are asked to note that a meeting arranged for October 16 has been cancelled.

Thursday, October 17

SHEFFIELD BRANCH, CHEMICAL SOCIETY, General Lecture Theatre, The University, Western Bank, Sheffield, at 2.30 p.m. and 6 p.m. Professor Jaroslav Heyrovsky, D.Sc., Ph.D., on "The Principles and Applications of Polarography."

THAMES VALLEY PHARMACISTS' ASSOCIATION AND BRANCH, Kingston Hotel, Kingston, at 7.45 p.m. Dr. G. R. Boyes, Ph.C., on "Penicillin at the Dispensing Counter." Demonstration by Mr. B. J. Thomas, M.P.S.

Friday, October 18

GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 7 p.m. Dr. R. M. Jenner on "Protein Hydrolysates."

Saturday, October 19

NORTH-EASTERN BRANCH, GUILD OF PUBLIC PHARMACISTS, Pharmacy department, St. Luke's Hospital, Bradford, at 4.30 p.m. Discussion on "Pharmacy in the Health Centres."

Sunday, October 20

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Marple Vale and Lyme Park. Meet at N.W. bus station, 9.10 a.m.

TRADE MARKS

(From "The Trade Marks Journal," September 25)

"GRUM"; for cleaning and polishing preparation (3). By Ashe Laboratories, Ltd., 120-22 Victoria Street, Westminster, London, S.W.1. 641,997.

"LIPOCRINYL"; for pharmaceutical preparation (5). By Continental Laboratories, Ltd., 10 Great Russell Street, London, W.C.1. 638,347.

"DEDO"; for insecticides (5). By Cupal, Ltd. Phoenix Mill, King Street Bridge, Blackburn Lancs. B641,071.

"SOLUTHIAZOLE"; for pharmaceutical and veterinary preparations all consisting of or containing azoles (5). By May & Baker, Ltd., Dagenham Essex. B641,113.

"AVITRON"; for pharmaceutical preparations and substances for human use (5). By George Edwin Ford Burr, 21 Long Row, Nottingham. 641,540.

"VIM"; for disinfectants (5). By Lever Brothers Port Sunlight, Ltd., Port Sunlight, Cheshire. 641,657 (Associated).

"SKETOFAX"; for veterinary and sanitary preparations; medical and surgical plasters; materia prepared for bandaging; insecticides, preparations for repelling insects, preparations for repelling and destroying vermin (5). By The Wellcome Foundation, Ltd., 183-93 Euston Road, London, N.W.1. 641,970 (Associated).

"PLEXOLIN" and "PLEP"; for pharmaceutical preparations and substances (5). By Ashe Laboratories, Ltd., 120-22 Victoria Street, Westminster, London, S.W.1. 642,004,-05.

"NORMAVITE"; for preparations for use in medicine and pharmacy (5). By Bengue & Co., Ltd., Mount Pleasant, Alperton, Wembley, Middlesex. 642,168.

"FLEXIFIX"; for scientific instruments and apparatus; templates and profile measuring instruments, all for engineers' use; scales and calculating instruments (9). By Anthony Dryden Davidson, 69 Ridgeway Place, Wimbledon, London, S.W.19. 640,319 (Associated).

"ARINOL," "ARAFIL" and "TEXTON"; for suture material (10). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 642,147; 642,152; 642,156.

"KLINTEX"; for surgical instruments (10). By Robert Whitelaw (Newcastle), Ltd., 11 Saville Row, Newcastle-on-Tyne. 642,175.

"NUSAN"; for toilet paper (not medicated) (16). By Japa Paper Products, Ltd., Laneside Paper Mills, Churwell, near Leeds. 642,132.

"DAINTY DINAH"; for sponges of metal for cleaning, scouring and toilet purposes (21). By John Weston, 50 Davenport Crescent, Stockport. 642,248.

"POET"; for vacuum flasks, etc. (21). By H. T. Shakespeare, Ltd., 441 Moseley Road, Birmingham, 12. 641,500.

"PERMAX"; for shaving brushes (21). By Herbert Perkins, 82 Hornby Road, Blackpool. 638,811.

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"ARINOL"; for brushes in this class and brush making materials (21). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 642,148.

"AMEBEX"; for pharmaceutical preparations for the treatment of dysentery and intestinal infections (5);

"ASTHMALYTE"; for pharmaceutical preparations for use in the treatment of asthma (5). By Nu-Organic Remedies, Ltd., 192A Broadhurst Gardens, West End Lane, London, N.W.6. B641/230/1/2.

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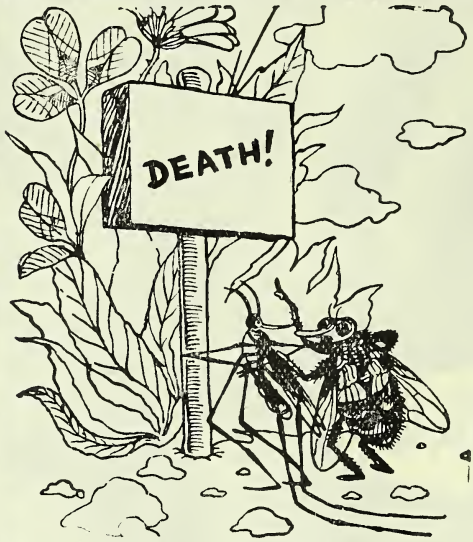

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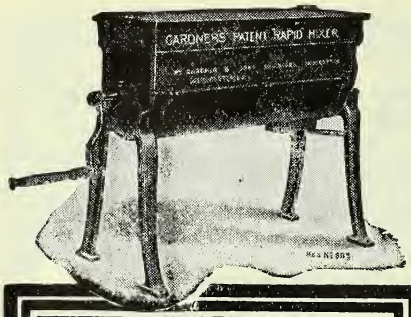

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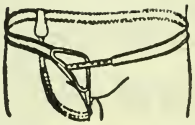

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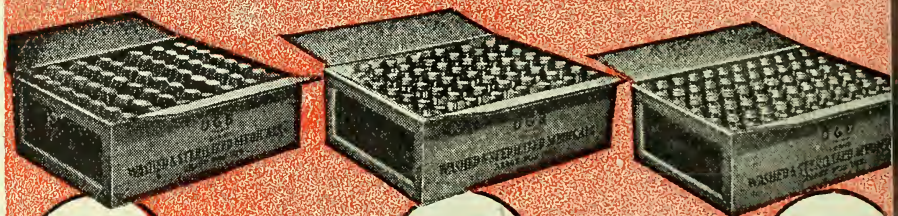

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C.F. *plus*

The C.F. scheme, which we have supported since its inception, is a act of co-operation. But there re pacts and pacts. Some may be nade under pressure, or because of xpediency. Others spring from a *elief* in co-operation.

t was President Roosevelt who said "Wealth begins when men co-perate." Simpson's trading policy s guided by the conviction that his is true not in the international phere alone but right down to the evel where you and ourselves do usiness together. In fact *the C.F. spirit can be extended beyond the C.F. scheme.*

Take just one illustration. Every ew months all Simpson travellers come to London for a full scale conference. For, in our view, these men are *your* representatives. We don't tell them—they tell us. It's *your* end of the transaction which counts as well as ours, and it's their business to represent *your* point of view in framing policy, developing selling merchandise, fixing price levels and the hundred and one details which make for high trade and consumer acceptance.

We had one of these policy meetings so recently as last month. Every departmental head at Simpson's attended. Your viewpoint was fully presented to us by the men who are in day-to-day touch with the retail pharmacist. And at the same time these men gained a closer insight into our current marketing plans and so are qualified to assist you to take the fullest possible advantage of them. That is what we mean by C.F. *plus.* A cardinal principle in our policy is to create *new* turnover for the pharmacist, engendered largely by *your* ideas, conveyed to us by these liaison men. One such live addition to your normal turnover is coming your way this Autumn.

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BY MAKING ONE SAFETY-RAZOR BLADE LAST FOR HUNDREDS OF SHAVES. THESE HONES ARE MADE IN GLASS OF UNIQUE PROPERTIES WITH A SPECIALLY PREPARED SURFACE AND ARE PATENTED THROUGHOUT THE WORLD.

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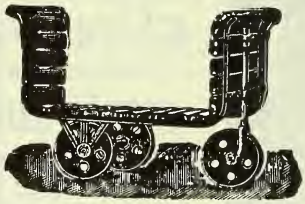

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IT HAS NO EQUAL
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★C.R.S. are the only Authorised Collectors of empty containers for many leading Food, Soap, Toilet and Household Product Manufacturers.

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CRS 28A-51

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POWDERS
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3/- and 5/-
PER BOTTLE

Extensive advertising has created a bi
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Cash in and get your fair share of this bi
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NO LICENCE REQUIRED.

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THESE HARD
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SELL ON SIGHT
Have you sent your order?
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ORDER THROUGH YOUR USUAL WHOLESALER OR
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NERVE TABLETS
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D.D.D. Balm is a steady seller because it is a good product in the modern taste, and because its merits are constantly kept before the public by advertisements in the national, periodical and provincial press and by posters in buses, trams and railway stations.

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You should be ready to supply this new and effective product. It is freely available and your wholesaler can supply you from stock.

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An efficacious medicated emulsion of outstanding merit.

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Product	Composition	Retail Prices
EFORTISS COMPLEX CAPSULES	Each capsule contains :— 1 mg. B_1 (Aneurin hydrochloride); 1 mg. B_2 (Riboflavin); 15 mg. nicotinamide; 0.5 mg. B_6. (Pyridoxin)	25s 4/6 100s 16/6
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Also Vitamin A & D Capsules, Vitamin B_1 Tablets and Ampoules, Vitamin C Tablets, Vitamin K Tablets and Ampoules, Fertilol Veterinary, etc., etc.

Full price list gladly sent on request. Vitamins Limited (Dept. C.X.B.), Upper Mall, London, W.6.

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Recommend M.O.F.—the *fortified* Infant Cereal

At about 5 months mixed feeding should begin. At this stage it is usual to include a cereal food in the infant's diet. This is the time when an infant needs M.O.F. — the fortified infant cereal.

M.O.F. is a finely sieved oat flour fortified with Vitamin D, Calcium, Phosphorus and Iron and specially processed for quick cooking.

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The use of M.O.F. normally begins with the introduction of mixed feeding. It should be made to a thick consistency and may be spoon fed before the normal breast or bottle feed. Small quantities given at first should be increased as the infant progresses, M.O.F. forming one of the staple factors of a mixed diet.

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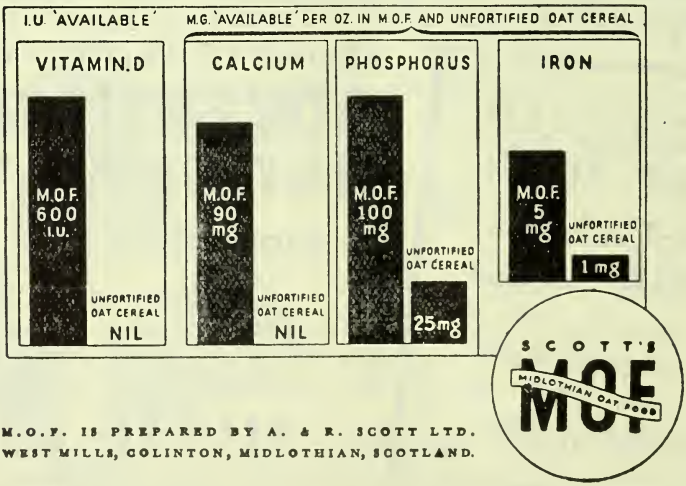
HOW DOES IT COMPARE WITH OTHER CEREAL FOODS?

One of the reasons why progressive medical opinion recommends M.O.F. is because it is more than a cereal. M.O.F. is a fortified food. How it compares with non-fortified infant cereals can be seen in this chart.



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OCTOBER 12
1946

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QUALIFIED Assistant required (either sex). No Sunday or half-day duties. Permanent position. Apply: Co-operative Society, Ltd., Stamford Street, Ashton-u-Lyne, giving full particulars regarding age, experience.

QUALIFIED assistant required with prospect of managership. Also qualified manager and unqualified assistant. Permancies for suitable men of initiative. Write with details of experience, 128/172, C. & D. Office, or 'phone for interview, ILFord 1756.

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UNQUALIFIED assistant, experienced dispenser, London West Pharmacy. Permanency. Apply 125/961, C. & D. Office.

UNQUALIFIED Lady Assistant required, with good knowledge of dispensing. Full particulars to Patterson, 31 Parade, Claygate, Surrey.

WANTED. Chemist-Optician, duties mostly dispensing and optical, Salary and commission. Lincolnshire. 125/964, C. & D. Office.

WANTED, qualified cover for high-class drug stores in South-East seaside resort. Young man recently qualified preferred but would consider other applicants. Please state wages required in first letter. 128/162, C. & D. Office.

YOUNG Lady, unqualified, for Chemist's office, Central London. Permanency, Apply Box 124/952, C. & D. Office

YOUNG lady, unqualified, to assist costing, check and price chemists' invoices. Central London. Hours 8.30 a.m. to 5.30 p.m. Saturdays 1 p.m. Apply 128/181, C. & D. Office.

YOUNG lady dispenser-receptionist (Apoth. Hall) wanted by firm of South London medical practitioners for duties at second surgery. Apply in first instance, with particulars, to 42 Streatham Hill, S.W.2.

WHOLESALE

A WELL established manufacturing chemists, London area, requires works manager. Applicants should have comprehensive manufacturing experience of pharmaceutical products, toilet preparations, etc., and ability to handle staff. Applications should state if qualified B.Pharm. or Ph.C., giving full details of experience, age, salary, etc., to 127/160, C. & D. Office.

ACTIVE capable technical and factory manager required on salary and share of profits basis to control development and production of small London cosmetic manufacturing business having interesting quotas but which has been neglected owing to war conditions. Good contacts with suppliers and working experience essential to link with existing export and sales organisation. Apply, in confidence, stating experience, to Box 123/917, C. & D. Office.

AMBITIOUS young man with experience manufacture, packing, medicinal goods, ec., sales promotion, offered managership small factory, Bucks, by established progressive private company marketing wide range products in U.K. Directorship available investment £1,000. Commencing salary £350, bonus on turnover. Exceptional prospects. Write fully with copies testimonials, photograph (returnable), 128/167, C. & D. Office.

APPOINTMENT available in North of England for qualified pharmacist either male or female. Qualifications required are a good pharmaceutical background and preferably experience in a hospital dispensary. Apply in writing with recent photograph (which will be returned) to 125/960, C. & D. Office.

CHEMIST or pharmacist required by well-known firm in North of England to undertake evolution and development of household, medicinal, toilet and other proprietary lines. Successful applicant will be required to take charge of department and must be a man with practical ideas and the ability to develop and perfect new lines suitable for sale in large volume both at home and overseas. This post offers an excellent opportunity with unusual prospects for a capable man. Write full details of qualifications and experience to 126/994, C. & D. Office.

COST accountant, not necessarily qualified, required by wholesale and manufacturing chemists; must be experienced in the trade. Reply giving full particulars, including age, experience, salary required, etc., to Box 2919, White's, Ltd., 72/78 Fleet Street, London, E.C.4.

COUNTERHAND, female, required to pack wet and dry drugs, assemble and check orders. Previous experience an advantage but not essential. 5-day week. Please write 125/981, C. & D. Office.

INDUSTRIAL chemist required to take charge of laboratory and processes, by firm of manufacturing chemists, must have good knowledge of modern solvents. Young man not objected to but must have ideas and initiative. Write, stating qualifications, previous experience and salary required. Excellent prospects for the right man. Write Box B384, c/o Streets, 110 Old Broad Street, E.C.2.

LARGE pharmaceutical manufacturing house of high standing in the North of England has a vacancy for a junior chemist, preferably with some mycological knowledge. Applicants are asked to apply in writing giving all details of experience, age and salary required. All applications will be treated as confidential. 127/158, C. & D. Office.

LIVE representative with existing connection among stores, chemists and hairdressers in Central London, required by distributors of nationally advertised hair preparations and toilet requisites to be sold in conjunction with fast selling sundry lines. Prospects excellent for a man with initiative who is a "go-getter." 127/144, C. & D. Office.

LONDON (all north of Thames) and Middlese This remunerative territory is offered to a w introduced representative or commission agent manufacturing chemists supplying attractive specia ties in unrestricted supplies. Large number of exi ing accounts. Applicants must have thorough e perience with retail and wholesale chemists, stor and Co-ops., and possess car. Exceptional pr pects and permanent career for conscientious, ha worker. Highest credentials essential. Only app cants having above qualifications need apply. Fu est details required in first instance. Simil vacancies are open at present for the followi areas: Birmingham and surrounding counties, Sh field, N. Wales, S. Wales. 127/131, C. & D. Offic

MALE or female Cost and Invoice Clerk require Must be fully conversant with Surgical Su dries. Write stating experience and salary requir to the Medical Supply Association, Ltd., 167 Gra Inn Road, W.C.1.

MANUFACTURING chemists require first-cl representative for Norfolk, Suffolk, Esse Oxon and Bucks area. Permanent career for m of experience, knowledge and ability on sala commission and expenses. Must possess car. regret we cannot accept incomplete applicatio 127/134, C. & D. Office.

MANUFACTURERS of ethical products, wi world wide reputation, require three ke pharmacists, not over 35, to train, and later a as representatives calling on doctors, hospitals a pharmacists. Territories: Northum. and Durha Notts., Derbys., and Lincs., Warwicks., and Staf Good salary, expenses and prospects. New c provided (on order now). Applications with full particulars and photograph to 128/177, C. & Office.

MANUFACTURERS of exceptionally attracti and ready selling range of pharmaceuti specialities require representatives for the followi areas. 1, North London, West End and City; Eastern Counties; 3, Scotland; 4, Northern Irela Sole agencies on generous commission basis wou be considered. Several hundred live existing accou on two of the territorities. Applicants should well introduced and regularly call upon retail a wholehale chemists, stores and Co-ops in the defin areas. 128/179, C. & D. Office.

PHARMACIST (male) required for analyti laboratory by wholesale chemists. Write, stati age, experience and salary required to Chi Chemist, 46 Southwark Street, S.E 1.

PHARMACIST required for ampoule departme of large manufacturing house in Manchest Duties will include preparation of injections in bul standardisation; supervision of filling and sterilisin sterility testing, etc. Permanent post with excelle prospects for suitable man. Full details to 126/99 C. & D. Office.

QUALIFIED chemist required to take full char of laboratory for firm of manufacturing chemi in the West Riding of Yorkshire. Must have f knowledge of manufacturing of galenicals, etc. Sta age, experience and salary required. Reply 127/136, C. & D. Office.

QUALIFIED assistant required for old establish firm of wholesale chemists in East Anglia. Go prospects for a young man with ambition a initiative. Write giving age, experience and sala required, to 128/168, C. & D. Office.

QUALIFIED tablet maker, preferably P.H.C required by manufacturing chemists, Sou Wales; 5-day week. Applicants must have good wor ing knowledge of rotary machines and first-cla experience in all tablet-making and coating, al coating for tropical climates. The position offe scope for research under ideal conditions. Plea write details of experience, salary required, etc., Managing Director, 126/105, C. & D. Office.

EPRESENTATIVE required with connection chemists in London and Home Counties for ertised medicinal product. Progressive permanpost for keen man. Box AC.13439, Samson ks, 57/61, Mortimer Street, W.1.

EPRESENTATIVE required by distributors of well known toilet preparations, with connections ngst chemists, hairdressers and stores for Cornl, Devon, Somerset and Dorset. Excellent prosis for man with initiative. 127/142, C. & D. e.

EQUIRED, highly experienced pharmacist in modern specialities and drugs. Wide knowe of buying ethical products, distributions and inistration, essential. Only executive status rtained. Full particulars must be submitted, details of salary required, to 128/164, C. & Office.

TOCK Keeper or Order Clerk required for Surgical Sundry Dept. Only fully experienced d apply, male or female. Permanent position red. Write giving full particulars and salary uired to The Medical Supply Assn., Ltd., 167/173 ys Inn Road, W.C.1.

ABLET Maker required by a London firm of Manufacturing Chemists. Applicants must have experience of all kinds of Tablet making and ar coating and must understand Rotary machines. y week. Apply in the first instance to Box /466, C. & D. Office.

ABLET maker required by manufacturing chemists. Permanent position for suitable applit. Write or call, Matthews & Wilson, Ltd., 6-8 e Street, London, S.E.1. HOP 2147.

NQUALIFIED chemist required for the laboratory of manufacturing chemists in the West ing of Yorkshire with full knowledge of manuuring, etc. State age, experience and salary red. Reply to 127/137, C. & D. Office.

AREHOUSE manager required for wholesale and export chemists, preferably qualified but erience essential. Please reply stating age, qualitions and salary expected, to Box 2914, White's, ., 72/78 Fleet Street, E.C.4.

ELL introduced Sales Representative required for high-grade luxury toilet preparations tionally advertised), to be carried as additional on commission basis; to call on chemists, hairssers and departmental stores for various procial areas. Give references in first letter and name sent lines carried. 114/612, C. & D. Office.

ELL-KNOWN firm of distributors of nationally advertised hair preparations and wholesalers of t-class fancy and sundry lines, require a keen rgetic young man with connections amongst mists, hairdressers and stores as representative Gloucester, Wiltshire, Berkshire and Oxford. /141, C. & D. Office.

ORCESTER, Hereford and Shropshire. Representative required for area now vacant, by disutors of nationally advertised toilet requisites, l wholesaler of chemists' and hairdressers' sunes. Commission basis. 127/144, C. & D. Office.

ORKS manager required, preferably with B.Pharm. or Ph.C. qualification. Experience pill and tablet manufacture desirable but not ential. Position offers scope for initiative and lity, and is progressive and permanent. Write tthews & Wilson, Ltd., 6-8 Cole Street, S.E.1.

OUNG assistant (male) required for production department by old established firm in Dalston, nufacturing flavours and processing essential oils l fruit juices. Five-day week. Canteen. Facilities further study if required. Salary about £400 annum according to experience. Apply to /157, C. & D. Office.

YOUNG qualified pharmaceutical chemist required by well established manufacturing chemists in London area. Position offers scope for initiative and ability, and is progressive. Write, stating age and full particulars, to 127/161, C. & D. Office.

YOUNG woman assistant for chemists' laboratory. Wet and dry drugs, assemble and check orders. Hours 8.30 a.m. to 5.30 p.m. Saturdays 1 p.m. London, E.C.1. Apply 128/180, C. & D. Office.

WHOLESALE (OVERSEAS)

CHEMISTS urgently required by large company operating in the Middle East. Will be employed either on development or process work and should be prepared initially to undertake shift work on process plant; should possess B.Sc. degree and preferably have had subsequent industrial experience. Age not over 30. Single men preferred. Starting salary not less than £500-£600 p.a. according to qualifications, together with a generous allowance in local currency, also free furnished bachelor accommodation, free passages out and home; free medical attention; kit allowance; Provident Fund benefits. Applicants must be of full British parentage and should write, stating age, qualifications and experience to Ref. F.18, Box 124/931, C. & D. Office.

PLANT Chemists urgently required for process plant operation by large company operating in the Middle East. Applicants need not be graduates but should have had a chemical training up to Inter. B.Sc. or National Certificate standard, with experience of shift work in either a gas, coke oven or chemical works. Age not over 30. Salary in sterling between £540 and £600 per annum, plus generous allowances in local currency, with free furnished bachelor accommodation, passages out and home, medical attention, also kit allowance and provident fund benefits. Apply, stating age, qualifications and experience, etc., to Dept. F.22, 126/118, C. & D. Office.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word

RETAIL (HOME)

ASSISTANT, lady, 25 years' experience, chiefly dispensing, desires post. Short, 43 New Church Road, Wylde Green, Sutton Coldfield, Warwickshire.

LOCUM, M.P.S., 53, free October 27th, available for long or short period. 126/106, C. & D. Office.

PHARMACIST available for locum appointment or permanency. W. Hilton, 96 Kenpas Highway, Coventry.

WHOLESALE

ACTIVE representative calling on wholesale and retail chemists London and Home Counties, requires good class lines on commission basis. 128/174, C. & D. Office.

CHEMIST, keen production organiser, 18 years' experience in high-class perfumery, cosmetics and soaps, seeks half-daily part-time duties as consultant; would consider partnership. 127/130, C. & D. Office.

ENERGETIC manager (42) desires change. 20 years' experience in warehouse and factory organisation. Packaging—pharmaceuticals, medical specialities, cosmetics, etc. Stock and staff control. Capable organiser. 127/138, C. & D. Office.

LADY, M.P.S., seven years' wholesale experience, seeks position in chemical works. W. Riding, Yorks. 128/173, C. & D. Office.

NORTHERN England representative of century old firm of repute, age 32, tall, good appearance, well educated (Inter. B.A.), sound connection with manufacturing, wholesale and retail chemists, over three years on ground before the war, having successfully completed re-introduction journeys, will undertake, owing to shortage of supplies and consequent restricted earnings, additional representation of firm of good standing, high class chemist only lines preferred. Firms requiring conscientious, regular, and responsible representation at moderate cost please write in first instance to 128/169, C. & D. Office.

PHARMACIST, 33, married (no family), seeks position as medical representative with ethical firm in South Africa, Australia or New Zealand. High-class retail managerial and medical representative experience, keen, reliable. 128/193, C. & D. Office.

PUBLICITY. Lady executive, many years experience, wishes to undertake spare-time work or act in consulting capacity. 128/192, C. & D. Office.

REPRESENTATIVE, qualified, diverted to retail four years during emergency, now free to resume. Excellent retail and wholesale chemists' connection, S.W. England and S. Wales. Wide experience trade all branches. Drugs, sundries, specialties, preference "C.F." Long, 15 Cleve Lodge Road, Downend, Bristol.

SALES Manager, qualified, very successful record, seeks change. Experience includes foods, ethicals and toilets. Capable full control; very efficient administrative assistant to managing director. Present earning £1,250. 128/183, C. & D. Office.

TRAVELLER with connection chemists and stores, Durham, North Yorkshire, Northumberland, wants sound lines, commission basis. 126/108, C. & D. Office.

U.K.-Overseas Pharmacist, 27, single, excellent pharmaceutical, medical and clerical experience, complete staff control, desires permanent progressive situation. 128/191, C. & D. Office.

WELL introduced sales representative in London, Middlesex, Hertfordshire and Bucks, seeks high class agency, suitable for chemists.—128/175, C. & D. Office.

APPOINTMENTS

CORPORATION OF WILLESDEN

APPOINTMENTS OF WHOLE-TIME HEALTH VISITORS

Applications are invited for appointments as Health Visitors. The salary will be in accordance with the Rushcliffe Scale. Candidates must be State Registered General Nurses holding the certificate of Part 1 of the Central Midwives Board Examination and the Health Visitor's Certificate issued by the Royal Sanitary Institute. The appointment is terminable by one month's notice on either side, is subject to the provisions of the Local Government Superannuation Act 1937, to the regulations governing officers of the Council and to satisfactory medical examination. Application forms may be obtained from the Medical Officer of Health, Health Department, 54 Winchester Avenue, Kilburn, N.W.6, to whom they must be returned not later than Saturday, 9th November, 1946. All communications must be marked, "Health Visitor" on the outside of the envelope.

W. T. PIRIE,
Town Clerk.

Town Hall,
Dyne Road, Kilburn, N.W.6.

CAPE TECHNICAL COLLEGE, CAPE TOWN

FULL-TIME LECTURERS IN PHARMACEUTICS AND ALLIED SUBJECTS

Applications are invited for the vacant posts of (a) Senior Lecturer, and (b) Lecturer, in the Department of Chemistry and Pharmacy. A Chemist and Druggists' Diploma is essential and a Pharmaceutical Chemists' Diploma (Ph.C.) or a University Science Degree desirable. Teaching experience will be an additional recommendation. Salary will be according to the following scales:— (a) Senior Lecturer: £500 x 25-750 (b) Lecturer: £350 x 20-550 x 20-650 x 25-700 Cost of Living Allowances are paid according to Public Service rates, at present £119 per annum for married men and £34 per annum for single men. There are also substantial Provident Fund and Insurance benefits attaching to the posts. Commencing salary may be at a higher notch than the initial notch of the scale, according to experience and qualifications. An allowance of £65 travelling expenses will be made and half pay (substantive) during the voyage. The successful applicant will be required to assume duty by the 1st February, 1947, or nearest date, depending on shipping accommodation. Applications accompanied by certified copies of testimonials, should be submitted not later than November 2nd. Application forms and Conditions of Service may be obtained from J. A. Ewing & Co. (London), Ltd., Finsbury Court, Finsbury Pavement, London, E.C.2, the representatives of the Cape Technical College in London.

BROMPTON HOSPITAL, S.W.3.

Applications are invited for the post of Assistant Pharmacists. Salary in accordance with the recommendations of Joint Negotiating Committee. Federated Superannuation Scheme in force. Applications, stating age and previous experience, and accompanied by copies of three recent testimonials, must reach the undersigned not later than Monday, 28th October.

F. G. ROUVRAY,
Secretary.

SURREY COUNTY COUNCIL, BROOKWOOD MENTAL HOSPITAL, KNAPHILL, WOKING, SURREY

Applications are invited for the post of Assistant Pharmacist at the above Hospital. Candidates must hold the M.P.S. qualification. The salary is £320 rising by four annual increments of £15, and one of £20 to the maximum of £400 per annum. The appointment, which is terminable by one calendar month's notice on either side, is subject to the provisions of the Asylum Officers' Superannuation Act, 1909, and to the County Council's Staffing Regulations, and the successful candidate will be required to undergo a medical examination. Applications, stating age and previous experience, together with copies of three recent testimonials, to be sent to the Physician-Superintendent, Brookwood Hospital, Knaphill, Woking, Surrey, as soon as possible.

THE LONDON CLINIC, 149 HARLEY STREET, W.1

ASSISTANT PHARMACIST required. Salary £400 per annum. Hospital experience essential. Applications stating age and previous experience to be sent to The Chief Pharmacist.

THE DISPENSARY, ST. BARTHOLOMEW'S HOSPITAL, LONDON, E.C.1

pplications are invited for the posts of alified Assistant Pharmacists (male) at the ove hospital. Salary in accordance with the N.C. Scale, experience being recognised. pplications, giving full particulars and accomnied by recent testimonials, should be sent rthwith to the Pharmacist, St. Bartholomew's ospital, E.C.1.

HE PRINCESS LOUISE KENSINGTON HOSPITAL FOR CHILDREN ST. QUINTIN AVENUE, W.10

(Affiliated to St. Mary's Hospital)

harmacist required (preferably full-time), to ke sole charge of dispensary and to start duties soon as possible. An Assistant in Dispensary lding the Society of Apothecaries Certificate ould be considered. Salary according to J.N.C. ale. Meals provided. Applications with copies three testimonials to the Secretary perintendent.

HARMACISTS preferably with Ph.C., Pharm., or equivalent scientific qualifications, re urgently required by a Government Deartment concerned with planning of producon, allocation and inspection of medical pplies and equipment, for the post of INPECTOR—salary range £500-£600 p.a., SSISTANT INSPECTOR and TECHNICAL SSISTANT Grade II—salary range £375-450 p.a., plus consolidated addition in each ase. Commencing salary to be within the range ccording to qualifications and experience. A ide knowledge of the drug trade is essential. Ianufacturing, wholesale, hospital, teaching nd laboratory experience desirable with ability draft specifications and prepare reports. pplications, which must be in writing, stating ate of birth, full details of qualifications and xperience (including a list in chronological rder of posts held) and quoting Reference umber B.D.112 should be addressed to the Iinistry of Labour and National Service, ondon Appointments Office, 1-6 Tavistock quare, London, W.C.1. No acknowledgements xcept to candidates summoned for interview.

SSISTANT PHARMACIST—HILLINGDON OUNTY HOSPITAL, nr. UXBRIDGE, Mx. Applications invited from Registered Pharmists. Salary as recommended by Joint Negotiating Committee on Salaries and Wages (Hosp. taffs); minimum commencing salary £320 p.a. nclusive, by annual increments to £400 p.a. Previous experience as assistant pharmacist may e taken into consideration in determining commencing salary. Whole-time, established and ensionable, subject to medical examination. Recently qualified pharmacists considered. Application stating age, qualifications, and experience, and enclosing copies of up to three recent testimonials, to MEDICAL DIRECTOR OF HOSPITAL. Application forms not provided. (Male candidates should state position with regard to military service. Closing date 19th October, 1946. (A465).

LOCUMS TENENS wanted as Assistant in Hospital Pharmacy for five weeks. Pharmacist or Apothecaries Hall Assistant with experience. Salary according to recognised scale. Apply stating experience and giving names for reference to the Secretary, West Suffolk General Hospital, Bury St. Edmunds.

BUSINESS OPPORTUNITIES

12/6 for 36 words or less, 3d. for every additional word

CAPACITY for bottle filling, labelling, packing and despatching. Processing if required. Write B.T., 127/150. C. & D. Office.

EXPERT advice required by pharmacist on large-scale mechanical manufacture and marketing of toilet preparations hitherto hand made. All details and fees in first reply to 128/171, C. & D. Office.

GENTLEMAN seeking an income of £2/3,000 p.a. (gross) will be pleased to invest in any suitable well-established business with good prospects (preferably manufacturing or distributing). Not more than 40 per cent. holding is wanted, as advertiser does not require an active interest or control. All correspondence will be held in strict confidence. No new schemes or ventures can be entertained. Bankers' and accountants' references given and wanted. Write 125/979, C. & D. Office.

LONDON export house requires complementary lines such as anti-malarial preparations, patent medicines against intestinal troubles, all sulpha-combinations, glandular and hormone products, biological medicines, tonics, etc. 126/998, C. & D. Office.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word

ADVERTISER is desirous of acquiring a manufacturing chemists' and hairdressers' supply business with a toilet preparations order quota. Proposition involving continuing employment of vendor considered. Write fully in confidence to Landau, 52 High Holborn, W.C.1.

HILLIER, PARKER, MAY & ROWDEN, Surveyors and Valuers, 77 Grosvenor Street, W.1, have applications for several sound and progressive single-shop Businesses occupying premier trading positions in London and Provinces, or a Group Concern would be seriously considered. Others contemplating sale or their solicitors are invited to write for further information to Hillier, Parker, May & Rowden, 77 Grosvenor Street, W.1.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word.

SOUTH DURHAM, owner, 72, retiring, laboratory furnishing business, established 1866. Pure acids, fine chemicals, and scientific apparatus. No drugs or ambulance trade. T/o £8,500 approx., increasing. Audited accounts available. Excellent prospects. Warehouse £1,000. Goodwill £2,000. Stock and fixtures at valuation, £3,500 approx. Bankers' references required. Particulars on application to genuine buyers. 127/135, C. & D. Office.

AGENCIES

12/6 for 36 words or less, 3d. for every additional word.

CANADA. Coast-to-coast coverage of retail/wholesale drug trade. Large sales agency, 14 distributing warehouses, wishes to represent English manufacturers of pharmaceutical specialities, household medicinal products, toilet sundries, etc. Write Laurentian Agencies, 429 St. Jean Baptist Street, Montreal, P.Q., Canada.

CHANNEL ISLANDS

Wholesalers with central showrooms, and representatives covering all of the Islands weekly, seek sole agencies or representation. Prepared to carry stocks on own account. Write in first instance to Prospects, 6 New Street, St. Helier, Jersey, C.I.

OLD established Northern Ireland company covering all Ireland with excellent connection in chemists, grocers, and general trade are open to accept the sole selling rights of household medicinal products, toilet sundries, etc. Only high-grade preparation from established companies will be considered. Write 128/166, C. & D. Office.

REPRESENTATIVE requires additional lines, calling chemists, hairdressers, Co-ops, dept. stores, in Surrey, Sussex, Kent, and Hants. Offers to 128/178, C. & D. Office.

WHOLESALE chemist sundries house established over 30 years covering all parts of Scotland would be interested in agency for any line which could be sold to chemists. 122/870, C. & D. Office.

WANTED

7/6 for 36 words or less, 2d. for every additional word

A GOOD price offered for modern Cameras, Enlargers and all Photographic Apparatus, Exposure Meters, Tripods, good Binoculars, Microscopes, Cine-Cameras and Projectors, prompt cash. Wallace Heaton, Ltd., 127 New Bond Street. London, W.1.

ACTUAL consumers require Vanillin 100 per cent. pure; Salicylic Acid B.P. Crystals and Acetyl Salicylic Acid B.P 125/977, C. & D. Office.

ACTUAL User would appreciate supplies of Vanalin. 120/806, C. & D. Office.

ADVERTISER requires several early drug jars, blue and white, preferably with 'angel' decoration. Rough sketch, condition and price, to 128/170, C. & D. Office.

AUTOMATIC Cream Filler wanted at once; big price paid. Shavex Co., Bavaria Road, Holloway, N.19.

EDIBLE Sheet and Powdered Gelatin required in large quantities. 965/970, C. & D. Office.

MALT extract wanted by manufacturers for own use. Quantity and price to 128/165, C. & D. Office.

Q.P. hand and power emulsifiers in any condition. Please state price and condition. 125/982, C. & D. Office

SACCHARIN Tablets required, bulk or packed, any quantity, surplus stocks or regular outputs purchased for cash. Write Box 354, c/o J. G. King & Son, 150 Fleet Street, London, E.C.4.

SODA crystals (pea size) wanted, 10 or 20 ton lots. 127/140, C. & D. Office.

STEARIC Acid and paraffin wax—supplies required for big users. Please state price, quantity offered and M.P. Box 124/953, C. & D. Office.

STEARIC Acid Triple Pressed required in large quantities. 965/969, C. & D. Office.

WANTED to purchase, several redundant registered trade marks, one suitable for an internal antiseptic for human use, Class 5, and others for toilet goods. Formulæ immaterial, but would be considered. Please give history of mark. 127/159, C. & D. Office.

WANTED to purchase, large quantity of 2, 4 and 8 dram perfume bottles. Send particulars to Box 455, c/o Pool's, Aldwych House, London, W.C.2.

WANTED. No. 3 Manesty tablet machine, or similar make. State condition and price. 128/176, C. & D. Office.

WANTED, 56 lb. tins Glycerin B.P. Advertiser willing to exchange for 8 doz. packets of 100's saccharins. Goods to be carriage paid to destination. 118/752, C. & D. Office.

WANTED. 50,000 1-gallon containers, 5,000 5-gallon containers. 128/163, C. & D. Office.

WHITING wanted, 10 or 20 ton lots. 127/1 C. & D. Office.

8 OZ. Plain Medicals, 8-oz. ribbed Ovals, 2 2½-c Panels; divisioned Cartons to hold any these. Samples and prices to S. Tatlow & Co., Lt Eckington, Sheffield.

26 OZ. and 13-oz. Wine or Champagne Bott required. 625/524, C. & D. Office.

MISCELLANEOUS SALES

12/6 for 36 words or less, 3d. for every additional wo

A MAHOGANY druggist's run, 12 ft. 3 in. 4 ft.; counter 9 ft. 4 in. x 3 ft. x 1 ft. 6 i and two cases 6 ft. x 3 ft. x 9 in., need reglazin A divided cupboard 7 ft. 10 in. x 4 ft. Chem sign. £50 or offer. 223 Lee High Road, S.E.1 Lee Green 1314.

ASPIRIN granules B.P. 1 ton for sale. Sta price offered for entire consignment, 127/155, C. & D. Office.

ARLEE, LTD., Green Roof, Ashtead, Surre can offer rubber wads to fit caps for sma perfume bottles. Ashtead 2566.

BATTERY of 6 single punch tablet machines; w produce tablets up to ⅝ in. diam. only. Exce lent condition. Price £60 per machine or £350 t lot. Also mixing machine. 127/151, C. & D. Offic

TWO chemists' scales and weights, fairly use good condition. Price £4 for the two. Wri 126/127, C. & D. Office.

10 GROSS of best quality lipsticks in 11 in. m swivel metal containers. 10 gross of lipsticks cardboard containers, 11 millimetres. 20 gross 2 o lavender and cologne. For export. 127/145, C. D. Office.

EXPORT TRADE

AGENCIES for medical products for Italy Venezia Giulia required by established age with vast experience in this line and Italian market Replies to: Rag. G. Rino Zaccone, 2 Via Cologr Trieste.

PREMISES WANTED

A FACTORY and warehouse for manufacturin chemists. Rent or buy. 127/152, C. & D. Offic

PREMISES FOR SALE

PORTSLADE, Sussex (outside Brighton), just ove 1 hour from London and 1 mile from statio and water front. Exceptionally well built factor premises of about 50,000 sq. ft. occupying island si and known as The Old Brewery, Portslade. Larg open floor areas, laboratories, offices, stores, loadin bays and canteen. Steel and concrete floors to tak heaviest loads, steam unit heating, exceptional ele trical power, particularly light and well ventilate lifts, hoists and every industrial service. For sal privately or by auction, November 6th. Particula 1/- from Auctioneers, Corry & Corry, 20 Lownde Street, S.W.1. (Sloane 33449).

SALES BY AUCTION

Removed from Harrow for Sale convenience. 2/5 Little Britain (close to G.P.O.), London, E.C. Modern Shop Equipment, showcases, glass fronted counters, mirrors, tills, panelling, display stands, office furniture, typewriters, card printing machine, etc. B. NORMAN & SON will sell by Auction at their Sale Room as above Wednesday, October 30th at 1.30 p.m. View Day Prior. Catalogues (3d. post free) on application. Tel. MONarch 8501.

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FELSOL POWDERS

STANDARD SIZE
Retail 2/10 (Inc. Tax)
In short supply
LARGE SIZE
Retail 11/3 (Inc. Tax)
Prescription and dispensing only

P.A.T.A.

Wartime shortage of materials has caused delays in deliveries outside our control.
Every effort is being made to ensure fairest possible distribution. Let us hope it will not be long before we can relieve these temporarily enforced conditions.

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